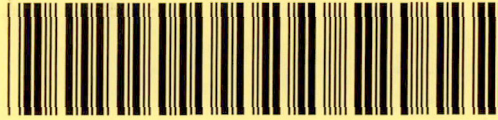


4IHSSF3054



DocumentID NONCD0002877

Site Name VIRGINIA AVE PCE CONTAMINATION

DocumentType Correspondence (C)

RptSegment

DocDate 1/12/2009

DocRcvd 1/14/2009

Box SF3054

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

SIMONSEN LAW FIRM, P.C.
106 E. Queen Street - P. O. Box 848 - Edenton, NC 27932
Telephone (252) 482-2175 Facsimile (252) 482-1355
www.simonsenlawfirm.com

LARS P. SIMONSEN
Attorney at Law
Certified Mediator
lars@simonsenlawfirm.com

RECEIVED

JAN 14 2009

NCDENR MRO IHSB

January 12, 2009

Ms. Charlotte Jesneck
Branch Head
Inactive Hazardous Sites Branch
NCDENR
1601 Mail Service Center
Raleigh, NC 27699-1601

Mr. Bruce Parris
Environmental Supervisor
Inactive Hazardous Sites Branch
Mooresville Regional Office
610 East Center Ave.
Mooresville, NC 28115

Mr. George Adams
Environmental Engineer II
Inactive Hazardous Sites Branch
Mooresville Regional Office
610 East Center Ave.
Mooresville, NC 28115

Re: The Pet Hospital
501 East Virginia Avenue
Bessemer City, Gaston County, North Carolina

Dear Ms. Jesneck, Mr. Parris and Mr. Adams:

I am writing on behalf of Dr. Robert Neunzig, the owner of the above property. As Mr. Adams is aware, a Phase II Environmental Site Assessment reported the discovery of Tetrachloroethane in groundwater samples taken at or near the property boundary for this property. As a result, your office has required that Dr. Neunzig file a Notification of an Inactive Hazardous Substance or Waste Disposal site.

As I am sure you are aware, the listing of a property as an inactive hazardous site is a very serious matter. Such a listing stigmatizes the property, making it difficult to sell, and making it unacceptable to lenders as collateral for loans. Dr. Neunzig is in the process of retiring, and had a contract for the sale of the property to one of his associates. That sale is now on hold pending the resolution of this matter.

I have enclosed information to show that this property is not, and has never been a disposal site. I have enclosed the following:

1. Record of Ownership from the Gaston County Register of Deeds office. The Building Record included with these documents show that a residence was located on the property 1971. The property was purchased by Roger Tessener in 1995, and he constructed the pet hospital on the property in 1996. Dr. Neunzig purchased the property from Dr. Tessener in 2001.
2. Affidavit from Dr. Robert Neunzig attesting to the fact that PCE has never been used or disposed of on the property during the period of his ownership. MSDS sheets for the chemicals used in his veterinary practice are attached to his affidavit.
3. Aerial Photos from 1938 and 1956 showing a residence on the property.

It is my understanding that there are at least two other listed groundwater incident sites in the near vicinity that have confirmed PCE contamination. One of these sites, a gas station, is located diagonally across the intersection from Dr. Neunzig's property. It is my understanding that PCE has been detected in the monitoring wells on that property. Additionally, the Danaflex facility is located approximately 350 feet west-southwest of the subject site. I understand that the Danaflex facility is a listed IHSB site due to an active chlorinated solvent groundwater release. Each of these sites is topographically upgradient from Dr. Neunzig's property. While there is a possibility that PCE contamination has migrated from one or both of these sites onto adjoining properties, including the Pet Hospital, that would not qualify the hospital as an inactive hazardous substance or waste disposal site. The listing of both the Danaflex Facility, as well as the gas station facility, would appear to be appropriate, however, since the information indicates that a discharge, disposal or release of PCE and other substances occurred at these sites.

The historical and present use of Dr. Neunzig's property does not support a conclusion that PCE was ever disposed of, discharged or released on his property. There is minimal, if any, evidence, that PCE is, in fact, present on Dr. Neunzig's property. As noted in his affidavit, Dr. Neunzig disputes that the samples reported in the Site Assessment Report were even taken on his property. Even the minimal evidence that exists, however, is consistent with an existing, known and reported contaminant plume that is migrating from other confirmed disposal sites. Dr. Neunzig is not a responsible party, and his property is not a site where disposal of hazardous substances, specifically including PCE, has taken place.

Clearly, neither Dr. Neunzig nor his successors in title would constitute responsible parties. N.C.G.S. 130A-310.7(a) expressly defines the term "responsible party," and ownership of property contaminated by hazardous substances does not, alone, make the owner a responsible party absent proof that the owner discharged or deposited; contracted or arranged for any discharge or deposit; accepted for discharge or deposit; or, transported or arranged for transport for the purpose of discharge or deposit any hazardous substance on the property. There is no such proof in this case.

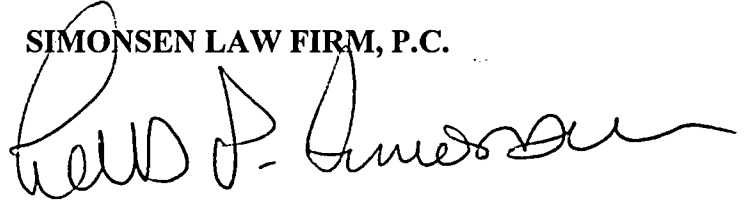
While I feel certain that Dr. Neunzig would cooperate in allowing reasonable access to his property for the purposes of assessing the contamination from the surrounding incident sites,

DENR has no authority to require that his property be listed as an inactive disposal site based solely on the evidence that currently exists. We would therefore request that DENR withdraw any directive that it has issued to Dr. Neunzig requiring him to file an IHSB Notification form.

I would be happy to speak with you to discuss this matter more fully. I appreciate your attention to this matter.

Sincerely yours,

SIMONSEN LAW FIRM, P.C.

A handwritten signature in black ink, appearing to read "Lars P. Simonsen", written over the printed name.

Lars P. Simonsen

cc: Dr. Robert Neunzig
813 Robinson Clemmer Road
Dallas, NC 28034

AFFIDAVIT OF DR. ROBERT NEUNZIG

Comes now your affiant, Dr. Robert Neunzig, and deposes and says that:

1. I am an adult person under no legal disabilities. I have personal knowledge of the matters and things stated herein.

2. I am the owner of the property located at 501 E. Virginia Avenue, Bessemer City, North Carolina described in Deed Book 4216 page 1835, Gaston County Public Registry (hereinafter "the Property"). My wife and I originally purchased the Property in April of 2001. She deeded her interest in the Property to me in April, 2006.

3. I purchased the Property in April of 2001 from Dr. Roger Tessener, a veterinarian. Dr. Tessener had constructed the building on the Property in 1996. At the time Dr. Tessener purchased the Property it was a vacant lot. A copy of the parcel deed history and other documents from the Gaston County Records are attached hereto.

4. A residence, owned by Bessie Wood, was located on the Property in 1962, but had been torn down at some point after that date and before Dr. Tessener purchased the Property. Ms. Wood acquired the property by deed recorded in book 812 page 92, Gaston County Public Registry.

RN

5. Tetrachloroethane (PCE) is not a chemical that is used in veterinary practice. When I purchased the Property from Dr. Tessener, there were only typical supplies associated with a veterinary practice in the building on the Property. None of these supplies contained PCE. PCE has never been used or disposed of on the Property during the period of my ownership. MSDS sheets for the chemicals used in my veterinary practice are attached hereto. As reflected on these MSDS sheets, PCE is not contained in any of these chemicals. Certain veterinary medicines are also used in the veterinary practice, none of which contain PCE. It is my understanding that PCE has no medicinal or pharmaceutical uses.

6. Neither I nor any of my employees or agents have ever discharged or deposited; contracted or arranged for any discharge or deposit; accepted for discharge or deposit; or, transported or arranged for transport for the purpose of discharge or deposit any hazardous substance, specifically including PCE, on the Property.

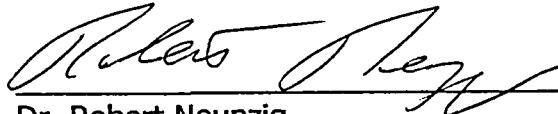
7. Based upon my knowledge of my property lines and my understanding of where Geological Resources, Inc. took groundwater samples as shown on the site map in the Site Assessment Report, it is my opinion that those samples were not taken on the Property.

8. The building currently on the Property has never been on a septic tank. Since the building was constructed, it has been connected to a public sewer. Approximately 98% of the Property is covered either by the building or by the paved parking area, leaving little or no permeable surface.

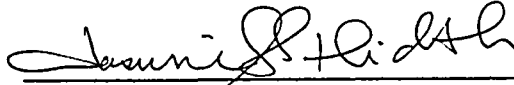


9. It is my understanding that there are at least two other listed groundwater incident sites in the near vicinity that have confirmed PCE contamination. One of these sites, a gas station, is located diagonally across the intersection from the Property. It is my understanding that PCE has been detected in the monitoring wells on the gas station property. Additionally, the Danaflex facility is located approximately 350 feet west-southwest of the subject site. I understand that the Danaflex facility is a listed IHSB site due to an active chlorinated solvent groundwater release. Each of these sites is topographically upgradient from the Property.

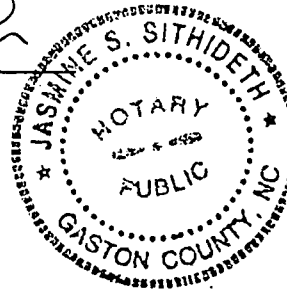
This the 8 day of January, 2009.


Dr. Robert Neunzig

Sworn to and subscribed before me this the 8th day of January, 2009.


Notary Public

My Comm. Expires: March 09, 2010.
(NOTARY SEAL)



14

143

old re convey

DISCLAIMER: This is a product of the Gaston County GIS. The data depicted here have been developed with extensive cooperation from other county departments, as well as other federal, state and local governments' agencies. Gaston County expressly disclaims responsibility for damages or liability that may arise from the use of this data.

* QUALITY CODE: The codes shown are only used for internal Tax Office analysis and for providing information to the NC Dept. of Revenue. Users should use all sources of information, including a review of the deed document to determine the suitability of the information for their specific purpose.

** INDICATED SALES AMOUNT: This is a calculation of the indicated sales consideration as reflected by the excise stamps affixed to the deed document. The excise tax is imposed by State law. Users should review the deed document to determine the sales amount.

Parcel Deed History

Quality Code Description

			Deed Book	Deed Page	Quality Code	Indication	Amount
121580	04/27/2006	NEUNZIG ROBERT J	4216	1835	E	QC	\$0
121580	04/20/2001	NEUNZIG ROBERT J AND WIFE KATHY J	3224	0607		WD	\$180,000
121580	05/26/1997	TESSNEER ROGER G BILLIE K	2707	0528		WD	\$123,500
121580	05/03/1995	TESSNEER ROGER G LEWIS G HARRELSON 1/2 UND INT EACH	2452	0177		WD	\$18,000
121580	07/01/1981	ROBINSON BRENDA R	1486	0580	D	WD	\$0
121580	04/01/1975	ROBINSON, HOWARD N JR & BRE	1158	0444	U	WD	\$8,500

vacant

↑
single family dwelling
no heat

1044 pg 834 1970
book 812 pg 98 1962

Crowders Mtn Township

THE PET HORTON PROPERTY

02 014 143 00 000 No. 001 Chg

TESSNEER, ROGER G & BILLIE K

Street Number Dr Name

Unit City

Zip Code

501

E VIRGINIA AVE

Rec No.	Grantee	Qual Cd	Dq Cd	Imp Type	Inst Type	Inst Bk / Pg	Sale Price	Sale Date
004	TESSNEER ROGER G	Q		I	WD	2707 528	123500	05/26/97
003	TESSNEER ROGER G	Q		V	WD	2452 177	18000	05/03/95
002	ROBINSON BRENDA R	D		I	WD	1486 580	0	07/01/84
001	ROBINSON, HO	U		I	FE	1158 444	8500	04/01/75

Tot Rec	APPEAL	Bldg	Grade	PCA	Cnt	Imp	EYR	Acres	Heated Area	Misc Value	Bldg Value	Land Value	Total Value
4		6511	1					.32	1975	0	118000	30300	148300

PROP38 Please enter the record number and press the desired function key

F1=Add

F2=Change

F3=Exit

F4=Prompt

F24=More Keys

پنہ ۱۱

1152

12 6
14 14
CP 24

5 4

36

12 1/2 A Fr.

1152

32

8 256 OFP

10

O W T E

OTHER FEATURES

SOLD 19 FOR \$

COMMERCIAL COMPUTATIONS			
STORY &		BSMT	
WL HT			
	BSMT		
	1ST FLOOR		
	2ND FLOOR		
	3RD FLOOR		
BASE PRICE			
ADJUST	%		
FRONT			
HTG/AIRCON			
LIGHTING			
PARTITIONS			
PLUMBING			
ELEVATOR			
SPRINKLER			
S.F. PRICE			
SQUARE FEET			
SUBTOTAL			
ADDITIONS			
TOTAL BASE			
GRADE	%		%
REPL VALUE			
DEPRECIATION		%	%

PT MASONRY WALLS			INCLUDING CARDS _____			
FIREPLACE <i>NO</i>						
FINISHED BSMT						
SUMMARY OF OTHER BUILDINGS						
TYPE	NO.	CONSTRUCTION	SIZE	RATE	GRADE	ERECTED
GARAGE		<i>NO</i>				
LISTED <i>43</i>	DATE <i>2-4-11</i>		TOTAL TRUE VALUE OTHER BUILDINGS			
<i>2</i>			TOTAL TRUE VALUE ALL BUILDINGS			

[illegible]

GRADE DENOTES QUALITY OF CONSTRUCTION: A—EXCELLENT; B—GOOD; C—AVERAGE; D—CHEAP; E—VERY CHEAP

MSDS Material Safety Data Sheet

Davis Mfg. & Pkg., Inc.

Odor Destroyer

Revision Date: 02/07/2008

MSDS Number: DAV1006

Page 1 of 3

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Davis Mfg. & Pkg., Inc.
541 Proctor Avenue

Scottsdale, GA 30079

Contact: Emergency Contact: Chem-Tel 800 255-3924
Telephone Number: 404 292-2424
FAX Number: 404 292-3049
E-Mail: mail@davismfg.com
Web: www.davismfg.com

Product Name:	Odor Destroyer
Revision Date:	02/07/2008
Version:	3
MSDS Number:	DAV1006
CAS Number:	Contains CAS #64-17-5
Product Code:	OD
Chemical Family:	Alcohols
Chemical Formula:	*** PROPRIETARY ***
Product Use:	Grooming Aid

2

HAZARDS IDENTIFICATION

Route of Entry:	Inhalation; Moderate; Ingestion; Moderate; Skin; Low; Eyes; Moderate
Target Organs:	Gastrointestinal tract;
Inhalation:	May cause dizziness
Skin Contact:	May cause irritation.
Eye Contact:	May cause irritation.
Ingestion:	May cause gastrointestinal irritation; and large amounts may cause serious harm.

3

COMPOSITION/INFORMATION ON INGREDIENTS

In accordance with OSHA's Hazard Communication Standard, only hazardous materials are listed.

Chemical Name:	Weight %	CAS
Ethanol	20	64-17-5

4

FIRST AID MEASURES

Inhalation:	If symptoms develop, move person to fresh air.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and wash before reuse.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids

MSDS Material Safety Data Sheet

Davis Mfg. & Pkg., Inc.

Odor Destroyer

MSDS Number: DAV1006

Revision Date: 02/07/2008

Page 2 of 3

occasionally to facilitate irrigation.
Ingestion: Immediately drink two glasses of water, INDUCE VOMITING. CALL A PHYSICIAN.
Medical Conditions Generally Aggravated by Exposure: Chronic dermal, eye disorders, pre-existing respiratory disorders.

5 FIRE FIGHTING MEASURES

Flash Point: 90 F
Flash Point Method: Tag Closed Cup

Unusual Fire & Explosion Hazards: Vapors may travel or move by air currents to an ignition source and flash back.
Extinguishing Media: Carbon Dioxide, Dry Chemical or Foam

6 ACCIDENTAL RELEASE MEASURES

Ventilate area and wash spill site after material pickup is complete.
Do not use bleach during cleanup of this material.

7 HANDLING AND STORAGE

Handling Precautions: For external use only. Keep away from sources of ignition. Keep material out of reach of children.

Storage Requirements: Do not use this product with bleach.
Store in original, closed container. Keep away from heat, sparks, and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: None needed for mixture under normal conditions of use
Protective Equipment: HMIS PP, B | Goggles, Gloves

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid.	Boiling Point:	
Physical State:	Liquid	Freezing/Melting Pt.:	
Odor:	Faint ethereal and sweetish odor.	Solubility:	
pH:		Spec Grav./Density:	.976
Vapor Pressure:			
Vapor Density:			

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to avoid: Avoid extremely high temperatures.

MSDS Material Safety Data Sheet

Davis Mfg. & Pkg., Inc.

Odor Destroyer

MSDS Number: DAV1006

Revision Date: 02/07/2008

Page 3 of 3

Materials to avoid (incompatibility): Oxidizing Agents ,
Bleach

Hazardous Decomposition products: None

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Unknown for mixture

12 ECOLOGICAL INFORMATION

Unknown for mixture

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with prevailing local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

DOT Shipping Name: Ethanol Solution, 3 UN1170 PGIII (In smaller quantities or sizes may be Limited Quantity or Consumer Commodity, ORM-D)

15 REGULATORY INFORMATION

S 16 Keep away from sources of ignition - No smoking.

S 2 Keep out of the reach of children.

16 OTHER INFORMATION

BE SAFE: READ OUR PRODUCT SAFETY INFORMATION AND PASS IT ON.
Product liability law requires it. The information provided in this Material Safety Data Sheet has been obtained from current sources believed to be reliable. The manufacturer provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use.

END OF MSDS DOCUMENT

None

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to Avoid)			
Acids, anionic materials			
Hazardous Decomposition or Byproducts			
Oxides of carbon, nitrogen; hydrogen chloride			
Hazardous Polymerization	May occur		Conditions to Avoid
	Will Not occur	X	N/A
Section VI - Health Hazard Data			
Routes of Entry	Inhalation?	Skin?	Ingestion? Eyes?
	Low	Moderate	Moderate Moderate
Health Hazards (Acute and Chronic)			
Unknown for mixture			
Carcinogenicity	Ntp?	Larc?	Osha?
	No	No	No
Signs and Symptoms of Exposure			
Inhalation: Shortness of breath. Skin Contact: Skin irritation or burning			
Ingestion: Burning of throat Eye Contact: Burning of eyes.			
Medical Conditions Generally Aggravated by Exposure			
Chronic effects & medical conditions aggravated by overexposure have not been established.			
Emergency and First Aid Procedures			
Inhalation: Remove affected person to fresh air.			
Skin Contact: Wash with soap and water. See physician if irritation persists.			
Ingestion: Give plenty of water. Do not induce vomiting. Contact a physician.			
Eye Contact: Flush with clean running water for 15 minutes. See physician if irritation persists.			
Section VII - Precautions for Safe Handling and Use			
Steps to be Taken to Control Material Released or Spilled			
Small Spills: Dike & take up on absorbent material. Large Spills: Same			
Waste Disposal Methods			
Dispose of in accordance with prevailing local, state and federal regulations.			
Precautions to be Taken in Handling and Storage			
Store in original, closed container.			
Other Precautions			
Do not contaminate food or feed by storage.			
Section VIII - Control Measures			
Respiratory Protection			
If desired, NIOSH-respirator.			
Ventilation	Local Exhaust	Special	
	No	N/A	
	Mechanical (General)	Other	
	N/A	N/A	
Protective Gloves		Eye Protection	
Rubber gloves		Safety glasses/vented goggles	
Other Protective Clothing or Equipment			
None			
Work Hygiene Practices			
Standard good manufacturing & industrial hygiene practices should be followed.			

MATERIAL SAFETY
DATA SHEET

3M

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All rights reserved. Copying and/or downloading of this information for
the purpose of properly utilizing 3M products is allowed provided that:
1) the information is copied in full with no changes unless prior agreement
is obtained from 3M, and
2) neither the copy nor the original is resold or otherwise distributed with
the intention of earning a profit thereon.

DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand NEUTRAL CLEANER CONCENTRATE
(Product No. 3, Twist 'n Fill (tm) System)

ID NUMBER/U.P.C.: XN-1015-1338-2 - - - XN-1015-1535-3 - - -
70-0705-4314-8 00-48011-19203-6 70-0705-4695-0 00-48011-19167-1
70-0705-9610-4 00-48011-20062-5 70-0706-3952-4 00-48011-20200-1
70-0707-1408-7 00-48011-20796-9

ISSUED: JANUARY 21, 1998
SUPERSEDES: DECEMBER 8, 1997
DOCUMENT: 06-2097-1

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	40 - 70
HYDROXYALKYL AMINE OXIDES	68478-65-9	15 - 40
ISOPROPYL ALCOHOL	67-63-0	5 - 10
2-ETHYL-HEXYLOXYETHANOL	1559-35-9	5 - 10
FRAGRANCE	Unknown	< 2

NOTE: IN CASE OF EMERGENCY, THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY
RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
2-ETHYL-HEXYLOXYETHANOL

2. PHYSICAL DATA

BOILING POINT: ca. 200 F
VAPOR PRESSURE: N/D
VAPOR DENSITY: 2.1 Air = 1
(Isopropyl alcohol)
EVAPORATION RATE: ca. 1 Water = 1
SOLUBILITY IN WATER: complete
SP. GRAVITY: ca. 1.0 Water = 1
PERCENT VOLATILE: ca. 75 %
pH: ca. 8
VISCOSITY: < 100 CPS
MELTING POINT: N/D
APPEARANCE AND ODOR: Liquid, green color; pleasant fragrance

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand NEUTRAL CLEANER CONCENTRATE
(Product No. 3, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 2 of 6

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: ca. 102 F
FLAMMABLE LIMITS - LEL: N/D
FLAMMABLE LIMITS - UEL: N/D
AUTOIGNITION TEMPERATURE: N/D
EXTINGUISHING MEDIA:
Water, Carbon dioxide, Dry powder, Foam
SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained,
positive pressure or pressure demand breathing apparatus, bunker coat
and pants, bands around arms, waist and legs, face mask, and
protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
See Hazardous Decomposition section for products of combustion.
Closed containers exposed to heat from fire may build pressure and
explode.
NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none
OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong Oxidizing Agents.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Irritant
Vapors or Gases.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Refer to other sections of this MSDS for information regarding
physical and health hazards, respiratory protection, ventilation, and
personal protective equipment. Ventilate area. Extinguish all
ignition sources. Contain spill. Evacuate unprotected personnel
from hazard area. Cover with absorbent material. Collect using non-
sparking tools. Clean up residue with water. Place in an approved
metal container. Seal the container.

RECOMMENDED DISPOSAL:
Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:
A Product Environmental Data Sheet (PED) is available.

The use of this product is expected to have no significant
environmental impact. All components will eventually degrade in the
environment.

REGULATORY INFORMATION:
Volatile Organic Compounds: ca. 15 %.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand NEUTRAL CLEANER CONCENTRATE
(Product No. 3, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 3 of 6

5. ENVIRONMENTAL INFORMATION (continued)

VOC Less H2O & Exempt Solvents: ca. 15 %.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear full-face shield.

SKIN PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand NEUTRAL CLEANER CONCENTRATE
(Product No. 3, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 4 of 6

7. PRECAUTIONARY INFORMATION (continued)

VENTILATION PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

RECOMMENDED STORAGE:

Store away from heat. Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition.

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
PERSONAL PROTECTION: X (See precautions, section 7.)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER	NONE	NONE	NONE	NONE
HYDROXYALKYL AMINE OXIDES	NONE	NONE	NONE	NONE
ISOPROPYL ALCOHOL	400	ppm	TWA	ACGIH
ISOPROPYL ALCOHOL	500	ppm	STEL	ACGIH
ISOPROPYL ALCOHOL	400	ppm	TWA	OSHA
ISOPROPYL ALCOHOL	500	ppm	STEL	OSHA
2-ETHYL-HEXYLOXYETHANOL	NONE	NONE	NONE	NONE
FRAGRANCE	NONE	NONE	NONE	NONE

* SKIN NOTATION: Listed substances indicated with "N" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route, including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

Copyright, 1998, Minnesota Mining and Manufacturing Company.
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1) the information is copied in full with no changes unless prior agreement is obtained from 3M, and
2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)

ID NUMBER/U.P.C.:	70-0705-2687-9	00-48011-19158-9	70-0705-2688-7	00-48011-19159-6
	70-0705-4317-1	00-48011-19206-7	70-0705-4318-9	00-48011-19207-4
	70-0705-8962-0	00-48011-19965-3	70-0705-8963-8	00-48011-19966-0
	70-0707-1405-3	00-48011-20793-8	70-0707-1406-1	00-48011-20794-5
	70-0707-2960-6	00-48011-23218-3	70-0707-2961-4	00-48011-23219-0
	70-0707-2962-2	00-48011-23220-6	70-0707-2963-0	00-48011-23221-3

ISSUED: JANUARY 21, 1998
SUPERSEDES: DECEMBER 8, 1997
DOCUMENT: 06-1685-4

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER (C-14 50%, C-12 40%, C-16 10%)	7732-18-5	60 - 70
ALKYL (C-14 50%, C-12 40%, C-16 10%)		
DIMETHYL BENZYL AMMONIUM CHLORIDE ..	68424-85-1	8.7
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE ..	32426-11-2	6.5
NONYLPHENOXYPOLY(OXYETHYLENE)		
ETHANOL	9016-45-9	5 - 10
ETHYL ALCOHOL	64-17-5	1 - 5
DIDECYLDIMETHYLAMMONIUM CHLORIDE	7173-51-5	3.9
ETHYLENEDIAMINETETRAACETIC ACID		
TETRASODIUM SALT	64-02-8	1 - 5
DIOCTYL DIMETHYL AMMONIUM CHLORIDE ..	5538-94-3	2.6
SODIUM METASILICATE	6834-92-0	1 - 5
RAGRANCE	Unknown	0.5 - 1.5
YE	Unknown	< .1

NOTE: IN CASE OF EMERGENCY, THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

2. PHYSICAL DATA

BOILING POINT:.....	ca. 212 F
VAPOR PRESSURE:.....	N/D
VAPOR DENSITY:.....	N/D
EVAPORATION RATE:.....	N/D
SOLUBILITY IN WATER:.....	complete
SP. GRAVITY:.....	ca. 1.00 Water = 1
PERCENT VOLATILE:.....	65-70 %
pH:	ca. 12.6

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

MSDS: 3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 2 of 7

2. PHYSICAL DATA (continued)

VISCOSITY: < 100 CPS
MELTING POINT:..... N/A
APPEARANCE AND ODOR: Liquid, clear, green color, pleasant odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 133 F T.C.C.
FLAMMABLE LIMITS - LEL: N/D
FLAMMABLE LIMITS - UEL: N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Water, Carbon dioxide, Dry chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Use fresh air respirator.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See Hazardous Decomposition section for products of combustion.
Closed containers exposed to heat from fire may build pressure and explode.

NFPA HAZARD CODES: HEALTH: 3 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: corrosive
OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Highly alkaline material. Avoid mixing with strongly acidic materials. Rapid heating and spattering of mixture may result.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen Chloride.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with inorganic absorbent material. Dilute in a large excess of water. Carefully, and with stirring, add appropriate dilute acid such as sulfamic acid or vinegar. Confirm neutrality. Collect using non-sparking tools. Clean up residue with water. Place in a polyethylene-lined metal container. Do not seal.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 3 of 7

5. ENVIRONMENTAL INFORMATION (continued)

for 48 hours.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. Combustion products will include HCl.

ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

This product is a disinfectant; it is toxic to microorganisms. Care must be taken to avoid improper disposal or release to the environment. When properly handled, use of this product is expected to have minimal environmental impact. Most components of this product will eventually degrade in the environment.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 40 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.
VOC Less H₂O & Exempt Solvents: ca. 40 gms/liter South Coast Air Quality Mgmt Dist Method (Rule 443.1, calculated).

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable) D002 (Corrosive)

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID**EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of water for at least 15 minutes in a chemical safety shower while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

If swallowed, do NOT induce vomiting. Give victim two glasses of

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MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 4 of 7

6. SUGGESTED FIRST AID (continued)

water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

OTHER FIRST AID:

Measures against circulatory shock, respiratory depression, and convulsion may be needed.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear full-face shield.

SKIN PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, neoprene, nitrile rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

VENTILATION PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Avoid contamination of food.

RECOMMENDED STORAGE:

Store away from areas where product may come into contact with food or pharmaceuticals. Do not store containers on their sides. Keep container closed when not in use. Keep out of the reach of children.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEETMSDS: 3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)
JANUARY 21, 1998

PAGE: 5 of 7

7. PRECAUTIONARY INFORMATION (continued)

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.

Avoid creasing or impacting container side walls.

HMIS HAZARD RATINGS: HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0
PERSONAL PROTECTION: X (See precautions, section 7.)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH		SKIN*
	VALUE	UNIT			
WATER	NONE	NONE	NONE	NONE	
ALKYL (C-14 50%, C-12 40%, C-16 10%) ..	NONE	NONE	NONE	NONE	
DIMETHYL BENZYL AMMONIUM CHLORIDE ..	NONE	NONE	NONE	NONE	
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE ..	NONE	NONE	NONE	NONE	
NONYLPHENOXYPOLY(OXYETHYLENE)	NONE	NONE	NONE	NONE	
ETHANOL	1000	ppm	TWA	ACGIH	
ETHYL ALCOHOL	1000	ppm	TWA	OSHA	
DIDECYLDIMETHYLAMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
ETHYLENEDIAMINETETRAACETIC ACID	NONE	NONE	NONE	NONE	
TETRASODIUM SALT	NONE	NONE	NONE	NONE	
DIDECYL DIMETHYL AMMONIUM CHLORIDE ...	NONE	NONE	NONE	NONE	
SODIUM METASILICATE	NONE	NONE	NONE	NONE	
FRAGRANCE	NONE	NONE	NONE	NONE	
DYE	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level G
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEETMSDS: 3M Brand QUAT DISINFECTANT CLEANER CONCENTRATE
(Product No. 5, Twist 'n Fill (tm) System)
JANUARY 21, 1998

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8. HEALTH HAZARD DATA (continued)

include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated exposure may cause:

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

IF SWALLOWED:

Harmful or fatal if swallowed.

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

OTHER HEALTH HAZARD INFORMATION:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: medical conditions, if any, known to be aggravated by exposure to this product are indicated in the appropriate portions of the Health Hazard Data section of this data sheet.

CARCINOGENS: components of this product, if any, known to cause, or suspected of causing, cancer as determined by OSHA, IARC, OR NTP are described in the Health Hazard Data section of this data sheet in accord with the OSHA Hazard Communications Standard, 29 CFR 1910.1200

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately





Subject: Brownfields Program weblink

From: Bruce Parris <bruce.parris@ncmail.net>

Date: Fri, 03 Apr 2009 12:23:12 -0400

To: drneunzig@aol.com

CC: Carolyn Minnich <Carolyn.Minnich@ncmail.net>, george.adams@ncmail.net

Dr. Neunzig,

Per our telephone conversation today here is a web link to the Division of Waste Management's Brownfields Program.

<http://www.ncbrownfields.org/>

Also, here is a weblink of the contact people in the Brownfields Program.

http://www.wastenotnc.org/ContactDWM_RO.htm#BF

Carolyn Minnich works in the Brownsfield Program and covers the greater Charlotte area.

her email is: carolyn.minnich@ncmail.net and her phone number is: 704-661-0330

I am cc'ing her in this email about your situation so that she has some background.

Carolyn,

Dr. Neunzig owns a business called "The Pet Hospital" at 501 E Virginia Ave in Bessemer City, Gaston Co. Dr. Neunzig has retired and is trying to sell his property and the bank required a Phase I/II assessment be performed in 2008 which resulted in two borings being installed in the NCDOT easement along his property. Groundwater samples were collected and detected 19.8 ppb PCE at boring GP-1; and estimated values of 4.6 ppb PCE and 3.7 ppb MTBE at boring GP-2 (see attached figure). This detection has been listed in the IHSB database as "Virginia Ave PCE Contamination" at 8th St and Virginia Ave, NONCD0002877 because our program does not know the exact source of the contamination. There are multiple possible sources in the immediate area including: a service station at 422 E Virginia Ave (UST incident 18088, Tony's Service Center); Big Bill's Place-UST incident 16417 at 603 Gastonia Hwy; Atlantic Spinners Inc-W&W Shell-UST incident 12270; and Danalex-IHSB incident NONCD0001587-APS#9482 at 501 E Alabama Ave. Although the IHSB is not currently holding Dr. Neunzig as the responsible party for the contamination found at his property, the Phase II investigation which was performed was extremely limited and did not provide enough sampling data to completely exclude his property as having a potentially contributing source. Dr. Neunzig has submitted a sworn affidavit that he bought the property in 2001; that the current building on the property was built in 1996; that a residence previously existed on the property in 1962 but was torn down some time before the current building was constructed; and that he has no knowledge of PCE being utilized at his business.

Because contamination has been detected on, or immediately adjacent to his property, Dr. Neunzig is having difficulty selling the property. A prospective developer/purchaser could be accepting liability for the incident by purchasing his property if the source were determined to partially or entirely on Dr. Neunzig's property at some point in the future. I suggested that either Dr. Neunzig or any prospective purchaser could explore the possibility of a Brownsfield agreement with the state to address his inability to sell the property due to environmental concerns. I'm hoping this basic background information will help you when Dr. Neunzig contacts the Brownfields Program to explore his options in this area.

I sincerely hope this information is helpful.

Bruce

--

Bruce Parris - Bruce.Parris@ncmail.net

Environmental Supervisor II, Western Region

North Carolina Dept. of Environment & Natural Resources

Div. of Waste Mgt. - Superfund Section - Inactive Hazardous Sites Branch

Mooresville Regional Office

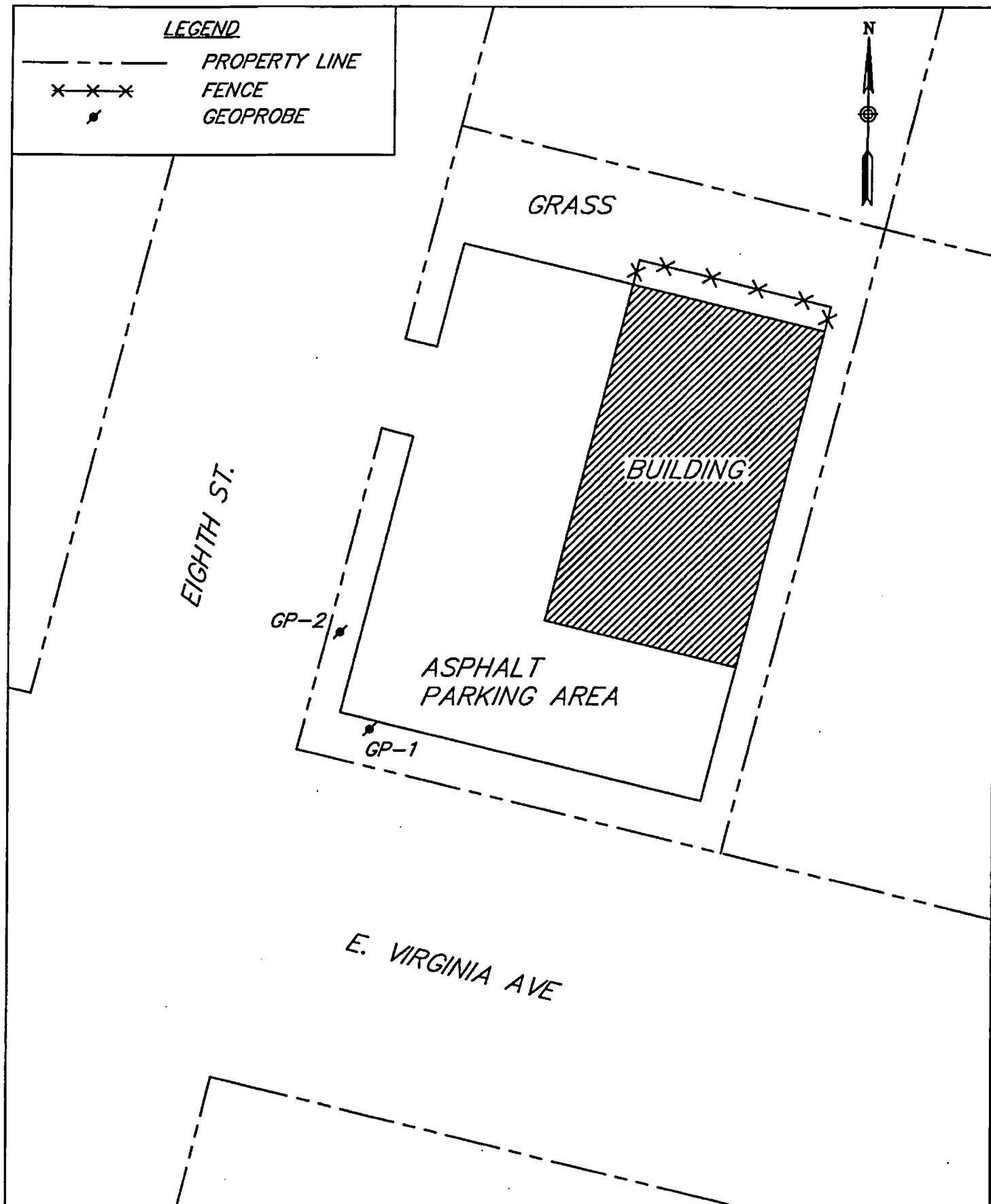
610 East Center Street, Suite 301

Mooresville, NC 28115

Ph: (704) 663-1699 Fax: (704) 663-6040

E-mail correspondence to and from this address may be subject to the
North Carolina Public Records Law and may be disclosed to third parties.

Excerpt from Phase II ESA Dr La Stella Property.tif	Content-Type: image/tiff Content-Encoding: base64
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Geological Resources, Inc.

0 15 30 60



(IN FEET)

1 inch = 30 ft.

SITE MAP

The Pet Hospital 501 East Virginia Ave

Bessemer City, Gaston, NC Incident # N/A

Date: 10/31/08 Drawn by: CDY Figure: 2

DIVISION OF WASTE MANAGEMENT

SUPERFUND SECTION

INACTIVE HAZARDOUS SITES BRANCH

MOORESVILLE REGIONAL OFFICE

CALL TO: Lars Simonsen (252) 482-2175

CALL FROM: George Adams

DATE/TIME: 2-19-09 - 1120

RE: Incident in the area of "Eight Street + Virginia Ave"

TELEPHONE LOG:

I returned Mr. Simonsen from 2-19-09 (1643). Mr. ^{Simonsen} inquired as to what we had done concerning the Pet Hospital. I reported the IHSB created an incident in the area of the Pet Hospital based on information I had gathered from various sources. I indicated that the correct term for Danaflex was ~~na~~ danalex, and it was actually located approx 1000' feet away across a topographic divide. Although it was not impossible that Danalex may have contributed to ground water contamination in the area, the new incident was created because I was unable to link the two with the information that we had. I also stressed again that I do not perform risk assessment for real estate transactions which was why I encouraged Mr. Neunzig to seek out an attorney and an environmental consultant. One day the site or incident will be reviewed, prioritized, and an attempt to determine the source and ~~with~~ responsible party will be made. Mr. Neunzigs property cannot be ruled out as a ~~pot~~ potential source of groundwater contamination. Based on the information that I have. The purpose of this site notification form was to gather North Carolina Dept. of Environment & Natural Resources Div. of Waste Mgt. - Superfund Section - IHSB-MRO information and document it with 610 East Center Ave, Suite 301 a notary. It was so fortunate that Mr. Neunzig Mooresville, NC 28115 did not provide the information I requested and there was a (704) 663-1699 miscommunication. I don't have an alternate form. I encouraged Mr. Simonsen to explain to Mr. Neunzig all applicable laws and statutes concerning real estate ↓

including disclosure. The addition of this incident may affect transaction in this area, but the site list was most likely created to protect the public health. I reiterated that Mr. Neunzinger needed to be advised to comply with all applicable statutes and laws. Mr. Simonsen inquired to my pending case regarding a responsible party that was an LLC. I reported that actual legal cases are handled by the attorney general's office. To my knowledge, I have not forwarded a site to the attorney general office that has become a legal case involving an RP that was an LLC. I explained to Simonsen that I was not an attorney so I wasn't sure what type of protection an LLC designation would provide. If he had knowledge of such a legal case, I encouraged him to share his findings.

Subject: Re: Pet Hospital

From: George Adams <george.adams@ncmail.net>

Date: Thu, 15 Jan 2009 16:55:49 -0500

To: Charlotte Jesneck <charlotte.jesneck@ncmail.net>

CC: Bruce Parris <bruce.parris@ncmail.net>

Charlotte,

The attorney sent separate copies to me and Bruce, and also to you. I've started a file here, and you can just inter-office your copy it back to MRO. I haven't sent a data entry form to you, but I believe it is likely I will do so. Thanks and have a good evening.

Charlotte Jesneck wrote:

I just received a letter and attachments on this site. Are mine just copies or do I need to forward to you.

--

George Adams - George.Adams@ncmail.net

North Carolina Dept. of Environment & Natural Resources

Div. of Waste Mgt. - Superfund Section - Inactive Hazardous Sites

610 E. Center Ave., Suite 301

Mooresville, NC 28115

Ph: (704) 663-1699

Fax: (704) 663-6040

Subject: My Property
From: DrNeunzig@aol.com
Date: Tue, 23 Dec 2008 08:03:54 EST
To: George.Adams@ncmail.net

Dear Mr. Adams,

This e-mail is to follow up a telephone conversation we had yesterday, Monday, December 22, 2008.

As I indicated to you after receiving a copy of the report on my property located at 501 East Virginian Avenue, Bessemer City, NC 28016 and talking with the Heath Department's chemist as well as going to the surveyor who performed the survey on the property I found out the following facts.

1. The test sites were **not** done on my property, but rather State or County/City property.
2. The specific area that was tested is the same place in which the State, County or City came in with heavy equipment to bore a hole under the road to advance some piping. This occurred about two years ago.
3. According to the Chemist, he felt the contamination was due to a rather new problem and not from an old contaminated site. His view was based on the fact that there were no residual breakdown products from the PCE's that would have been found had the contamination been from an old site.
4. He felt the most likely source could have easily been the drilling equipment since they use many kinds of solvents in order to bore such sites. Additionally since I am on a corner in which a great amount of rain water washes off the road as well as having a good number of accidents another probable source was from cars.
5. I might add that the grassy site that was tested is used as a parking lot by the restaurant next door on Sundays.
6. As you are also aware a historical study indicated that this property has been residential since 1962 and the only business to be on this property has been the Animal Hospital. A review of my MSDS's indicated **no PCE's were ever used in the business**. Additionally, this property is on city sewer and all liquid waste goes into the sewer and not on the property. There as never been a spill of any kind on my property.
7. Finally, it is my understanding the PCE's are "sinkers" and that there would be no way for PCE's to be on my property without the accompanying break down products had this site been spilling PCE's in the past. Thus there is convincing proof that this property could not be the source of the PCE's that were found on the State/County/City property.

At your suggestion I have contacted an environmental attorney who is reviewing the documentation that I was going to send to you. However, with the new finding that the geologist who performed these tests, for some reason never tested my property and therefore it would appear that there is **no data** that proves my property is contaminated.

As you remember, you indicated at this point I would have to speak with your supervisor who will not be back in the office until after January first. I have informed my attorney of our conversation and I am planning on speaking with your supervisor when he returns. I believe my attorney also plans on speaking with your supervisor in regard to this matter.

In closing, I definitely want to cooperate and work with the state in this matter, but in my opinion it would be wrong for the state to blemish my property without any direct proof that my land is contaminated.

Sincerely,

Dr. Robert Neunzig

One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. [Try it now.](#)

DIVISION OF WASTE MANAGEMENT

SUPERFUND SECTION

INACTIVE HAZARDOUS SITES BRANCH

MOORESVILLE REGIONAL OFFICE

CALL TO: George Adams

CALL FROM: Dr. Robert Neunzig

DATE/TIME: 12-22-08 / 1200

RE: The Pet Hospital

TELEPHONE LOG:

Mr. Neunzig contacted me and was very distraught about the addition of his property to the inventory. He explained that the groundwater samples (corrected him - he said soil) were collected two feet away from his property and we did not have the right to list his property. I indicated that the information we had received did not make that distinction and the phase II report was sealed by a licensed geologist. The report stated that the samples were collected from his property. I also reminded him that the due diligence reports was the only information that the IHSB had received and he had not sent us any information. He indicated he was going to have the bore holes surveyed and talk to an attorney. I reported that if the road right of way was listed instead of the property as the phase II report - that with the information that we have -

George Adams
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - IHSB -MRO
610 East Center Ave, Suite 301
 Mooresville, NC 28115
(704) 663-1699

that was probably a decision a supervisor would have to make. I would be glad to ask my supervisor to contact him when he returned from vacation. Mr Neunzig began stating random and hypothetical scenarios, which I interrupted and stated, if he had a specific question I would answer it (or try to). I did not see the benefit or discussing further scenarios since I had been unable to convey the primary goal at the present time was trying to focus on rding him out as an R.P.

Subject: Re: The Pet Hospital, Bessemer City, NC
From: BRUCE.PARRIS@ncmail.net
Date: Mon, 22 Dec 2008 12:52:47 -0500
To: george.adams@ncmail.net

----- The following is an automated response
----- to your message generated on behalf of BRUCE.PARRIS@ncmail.net

Hello! Thank you for your email. Unfortunately, I cannot answer your email directly today as I am out of the office. I will be returning to the office on January 5, 2009. If you need immediate assistance, please contact one of the following people in the Inactive Hazardous Sites Branch:

Trudy Beverly-Mooresville Regional Office-704-235-2182, trudy.mechum@ncmail.net
George Adams-Mooresville Regional Office-704-235-2187, george.adams@ncmail.net
Collin Day-Winson-Salem Regional Office-336-771-5281, collin.day@ncmail.net
Bonnie Ware-Winson-Salem Regional Office-336-771-5356, bonnie.ware@ncmail.net
Bobby Lutfy-Raleigh Central Office-919-508-8446, bobby.lutfy@ncmail.net
Bruce Lefler-Raleigh Central Office-919-508-8463, bruce.lefler@ncmail.net
Cheryl Marks-Raleigh Central Office-919-508-8465, cheryl.marks@ncmail.net
Charlotte Jesneck-Branch Head-Raleigh-919-508-8460, charlotte.jesneck@ncmail.net

Subject: The Pet Hospital, Bessemer City, NC
From: George Adams <george.adams@ncmail.net>
Date: Mon, 22 Dec 2008 12:52:46 -0500
To: bruce.parris@ncmail.net

Please come see me when you get back about this site.

--
George Adams - George.Adams@ncmail.net
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - Inactive Hazardous Sites
610 E. Center Ave., Suite 301
Mooresville, NC 28115
Ph: (704) 663-1699 Fax: (704) 663-6040

The Pet Hospital, Bessemer City, NC.eml	Content-Type: Message/RFC822
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DIVISION OF WASTE MANAGEMENT

SUPERFUND SECTION

INACTIVE HAZARDOUS SITES BRANCH

MOORESVILLE REGIONAL OFFICE

CALL TO: George Adams

CALL FROM: Dr Robert Neunzig

DATE/TIME: 2 0900 - 12-18-08

RE: 501 E Virginia Ave, Bessemer City -

TELEPHONE LOG:

Mr Neunzig contacted me and ~~re~~ reported that he hired an attorney and that he would allow the attorney to review the site notification form before he sent it to IHSB. Discussed the site, I told him that the priority was to review enough property information to establish that the responsible party could not be determined -

George Adams
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - IHSB -MRO
610 East Center Ave, Suite 301
Mooresville, NC 28115
(704) 663-1699

DIVISION OF WASTE MANAGEMENT

SUPERFUND SECTION

INACTIVE HAZARDOUS SITES BRANCH

MOORESVILLE REGIONAL OFFICE

CALL TO: Dr. Robert Nuzeing.

CALL FROM: George Adams

DATE/TIME:

0815-0900 12-12-08

RE:

The Pet Hospital - 601 E Virginia Ave - Bessemer City -

TELEPHONE LOG:

Returned calls from Dr. Nuzeing from 12-11-08 @ 0827, 0944, 1530, 1532, and 12-10-08 @ 0808, 0836, and 0916.

Told Mr Nuzeing that I did attempt to research nearby incidents (w/ respect to his property) and I was unable to link the groundwater data provided to a known incident. As a result, I would have to list his property on the inventory, and if he provided the information we discussed, I believe that I could indicate in the file that the responsible party was indeterminate. However, I could not rule out that his property could be the source of the contamination. For example, the service station located somewhat topographically down gradient has PCE concentrations less than his. I tried to explain that the site inventory list was designed to provide knowledge to interested parties and protect the public health. I also indicated that if someone purchased the property they could potentially become a responsible party if they purchased his site with knowledge of contamination. I spoke at length about

George Adams
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - IHSB-MRO
610 East Center Ave, Suite 301
Mooresville, NC 28115
(704) 663-1699

hypothetical scenarios and attempted to answer his questions. He indicated he already purchased a property with oil contamination from UTS. I indicated that his problems were not insurmountable and I advised that he hire an attorney and an environmental consultant to assist with advice during the proposed real estate transaction. I also indicated he could come by and look at the file.

DIVISION OF WASTE MANAGEMENT

SUPERFUND SECTION

INACTIVE HAZARDOUS SITES BRANCH

MOORESVILLE REGIONAL OFFICE

CALL TO: George Adams

CALL FROM: Dr. Robert Nuzing

DATE/TIME: 12-9-08 - ~1645

RE: 501 E Virginia Ave Bessemer City -

TELEPHONE LOG:

Spoke to Dr. Nuzing about his property. Indicated that it would be helpful if he completed the site notification form. Encouraged him to provide detailed information about his property - ownership - construction, usage, chemicals, etc. - Told him that I was trying to locate a nearby known site, but it would be necessary to show that he had been impacted. If that wasn't possible - the site would be listed and we would try to determine the responsible party.

George Adams
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - IHSB -MRO
610 East Center Ave, Suite 301
Mooresville, NC 28115
(704) 663-1699

sent email of
links -

Subject: 501 E Virginia Ave, Bessemer City, NC
From: George Adams <george.adams@ncmail.net>
Date: Tue, 09 Dec 2008 17:18:48 -0500
To: drNeunzig@aol.com

Mr. Neunzig,

The link for the site notification form is as follows:

<http://www.wastenotnc.org/SFHOME/SITENOT.HTM>

For information about our program, please consult the following link:

<http://wastenotnc.org/sfhome/ihbrnch.htm>

If you have any additional environmental assessment information (other than the November 2008 Transaction Screen Phase II ESA), please send it to us. Some of the questions on the site notification form may not apply to your property, and you may attach additional site information. I encourage you to provide any information regarding your property's history and usage, ownership, property plat, chemical storage/utilization, utilities (including potable water source), etc that you feel may be useful.

We appreciate your assistance with this matter. If you have questions or need additional information, please contact me.

--

George Adams - George.Adams@ncmail.net
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - Inactive Hazardous Sites
610 E. Center Ave., Suite 301
Mooresville, NC 28115
Ph: (704) 663-1699 Fax: (704) 663-6040

Subject: Re: FW: Dr. La Stella Transaction Screen & Phase II Environmental Site Assessment Reports
From: George Adams <george.adams@ncmail.net>
Date: Mon, 08 Dec 2008 12:19:24 -0500
To: Samantha Dye <Samantha.Dye@co.gaston.nc.us>, Anita.Lingafelt@co.gaston.nc.us

Thanks for sending me this information. I'm going to do some research. In the mean time, if Dr. Neunzig has questions, please ask him/her to contact me.

Hi George,

Dr. Neunzig ask me to forward this report for you to review.

Samantha Dye

704-853-5200

Samantha Dye wrote:

Sam

Samantha Dye, R.S.

Gaston County Environmental Health Program Supervisor

Phone: 704-853-5230 or 704-853-5200

Fax: 704-853-5231

Website: www.gastonpublichealth.org <<http://www.gastonpublichealth.org>>

From: CR Kennedy [<mailto:carriekennedy@geologicalresourcesinc.com>]
Sent: Friday, December 05, 2008 2:00 PM
To: Samantha Dye
Cc: TD Kennedy; Lisa Kennedy
Subject: Dr. La Stella Transaction Screen & Phase II Environmental Site Assessment Reports

Dear Ms. Dye,

Per Dr. LaStella's request, please find attached the Transaction Screen report for your review. The Phase II ESA will follow shortly. I do not think these will both send well together.

Please contact me if you need further assistance.

Carrie R. Kennedy

Administrative Director

Geological Resources, Inc.

2301-F Crown Point Executive Drive

Charlotte, NC 28227

(704) 845-4010; fax (704) 845-4012

carriekennedy@geologicalresourcesinc.com

This message may contain confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this email. Please notify the sender immediately by email if you have received this email by mistake and delete it from your system. Emails that do not contain confidential medical information are subject to North Carolina General Statute, Chapter 132 and may be considered a matter of public record.

--
George Adams - George.Adams@ncmail.net
North Carolina Dept. of Environment & Natural Resources
Div. of Waste Mgt. - Superfund Section - Inactive Hazardous Sites
610 E. Center Ave., Suite 301
Mooresville, NC 28115
Ph: (704) 663-1699 Fax: (704) 663-6040

Doc ID: 011082990003 Type: CRP
Recorded: 04/27/2006 at 02:19:18 PM
Fee Amt: \$20.00 Page 1 of 3
Excise Tax: \$0.00
Instr# 200600079594
Gaston, NC
Susan S. Lockridge Register of Deeds
BK 4216 PG 1835-1837

3 RECORDING FEE 20.00
EXCISE TAX PAID 0

- QUITCLAIM DEED -

Prepared by (return to) M. Roy Short, Jr., Attorney, 1006 Union Road, Gastonia, N. C. 28054

NORTH CAROLINA

GASTON COUNTY

THIS QUITCLAIM DEED, made and executed on the 27th day of April, 2006,
by and between Kathy J. Neunzig, Grantor, and Robert J. Neunzig, Grantee, 813 Robinson
Clemmer Road, Dallas, North Carolina 28034;

WITNESSETH:

That the Grantor, for good and valuable considerations by her received from the
Grantee, receipt of which is hereby acknowledged, and for the purpose of creating in the
Grantee, her husband, the sole and individual ownership of the real estate hereinafter
described, has remised, released and conveyed, and by these presents does hereby remise,
release, convey and forever Quitclaim unto the said Grantee, his heirs and assigns, all
right, title and interest of the Grantor in and to that certain real estate located in Crowders
Mountain Township, Gaston County, North Carolina, described as follows:

See Exhibit "A" attached hereto.

EXHIBIT "A"

Lying and being in Crowders Mountain Township, Gaston County, North Carolina, and described as follows:

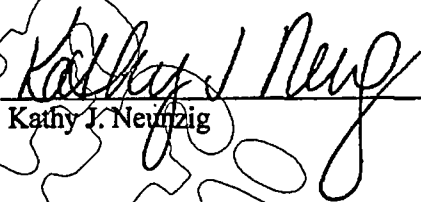
Being the full contents of Lots Nos. 45, 46, 47 and 48 in Block "9", Section Three (3) of the Town of Bessemer City, N. C. as shown on map thereof recorded in the office of the Register of Deeds for Gaston County, N. C. in Plat Book 1 at Page 75 to which reference is made for a complete description of said lots.

Together with the southern one-half of an alleyway which lies along the northernmost lot lines of the aforesaid lots, which alleyway has been previously closed by Resolution of the Town Council, Town of Bessemer City.

Being the identical property conveyed to Robert J. Neunzig and wife, Kathy J. Neunzig, by deed recorded in Book 3224 at Page 607, Gaston County Public Registry.

TO HAVE AND TO HOLD the aforesaid parcel of land and all privileges and appurtenances thereunto belonging to the Grantee, his heirs and assigns, free and fully discharged from any claim of right, title or interest of the Grantor or anyone claiming by, through or under the Grantor, BUT SUBJECT HOWEVER, to spousal rights of the Grantor arising by operation of law

IN TESTIMONY WHEREOF, the Grantor has executed this Quitclaim Deed in manner and form as by law prescribed.


Kathy J. Neunzig

NORTH CAROLINA

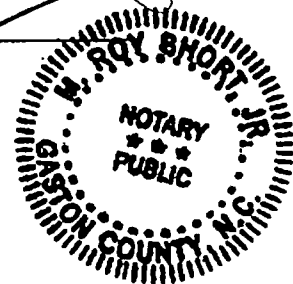
GASTON COUNTY

I, M. Roy Short, Jr., a Notary Public for the aforesaid County and State, do hereby certify that Kathy J. Neunzig, personally appeared before me this day and, first being identified by me, duly acknowledged her execution of the foregoing Quitclaim Deed..

Witness my hand and official seal, this 27th day of April, 2006.


Notary Public

My commission expires: 3-24-2011



BK 3224 PG 607

Prepared by M. ROY SHORT, JR., Attorney at Law, Gastonia, N. C.
Return to Box 102

NORTH CAROLINA

WARRANTY DEED

CLEVELAND COUNTY

THIS DEED, made this 18th day of April, 2001 by and between

ROGER G. TESSNEER, divorced; BILLIE K. HUTCHINS (formerly
BILLIE K. TESSNEER) and husband, MICHAEL N. HUTCHINS

hereinafter known as Grantor; and

ROBERT J. NEUNZIG and wife, KATHY J. NEUNZIG
813 Robinson Clemmer Road
Dallas, North Carolina 28034

hereinafter known as Grantee;

(The designations Grantor and Grantee as used herein shall include said parties, their heirs, successors and assigns, and shall include singular, plural, masculine, feminine or neuter, as required by the context)

WITNESSETH: That the Grantor, for fair, good and valuable considerations paid by the Grantee, the receipt of which is duly acknowledged, by these presents has bargained and sold and does hereby bargain, sell and convey unto the Grantee, in fee simple, the following described real estate located in Crowders Mountain Township, Bessemer City, North Carolina, to wit:

Being the full contents of Lots Nos. 45, 46, 47 and 48 in Block "9", Section Three (3) of the Town of Bessemer City, N. C. as shown upon map thereof recorded in the office of the Register of Deeds for Gaston County, N.C. in Plat Book 1 at Page 75 to which reference is made for a complete description of said lots.

Together with the southern one-half of an alleyway which lies along the northernmost lot lines of the aforesaid lots, which alleyway has been previously closed by a Resolution of the Town Council, Town of Bessemer City.

See deed recorded in Book 2707 at Page 528, Gaston Registry.

TO HAVE AND TO HOLD the aforesaid real estate and all privileges and appurtenances thereunto belonging to the Grantee in fee simple. And the Grantor covenants with the Grantee that the Grantor is seized of the property in fee and has the right to convey the same in fee simple and that the premises are free and clear of all encumbrances except as noted herein, and that the Grantor will warrant and defend the title to the real estate against the lawful claims of all persons whomsoever.

IN TESTIMONY WHEREOF, the Grantor has executed this Deed in manner and form as by law required, on the day and year first above written.

Roger G. Tessneer (SEAL)
ROGER G. TESSNEER

Billie K. Hutchins (SEAL)
BILLIE K. HUTCHINS
(formerly Billie K. Tessneer)

Michael N. Hutchins (SEAL)
MICHAEL N. HUTCHINS

RECORDING FEE 10.00
EXCISE TAX PAID 360.00

BK 3224 PG 608

STATE OF NORTH CAROLINA

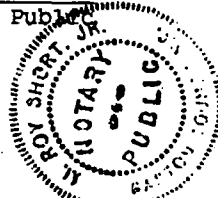
COUNTY OF GASTON

I, the undersigned Notary Public of said County and State, hereby certify that Roger G. Tessneer personally appeared before me this day and acknowledged his execution of the foregoing Deed.

Witness my hand and official seal, this 18th day of April 2001.

M. Roy Short, Jr.
M. Roy Short, Jr., Notary Public

My Commission Expires: 3/24/2006



STATE OF NORTH CAROLINA

COUNTY OF GASTON

I, the undersigned Notary Public of said County and State hereby certify that BILLIE K. HUTCHINS and MICHAEL N. HUTCHINS personally appeared before me this day and acknowledged their execution of the foregoing Deed.

Witness my hand and official seal, this 20th day of April, 2001.

M. Roy Short, Jr.
M. Roy Short, Jr., Notary Public

My commission expires: 3/24/2006



STATE OF NORTH CAROLINA

COUNTY OF GASTON

The foregoing certificates of M. Roy Short, Jr., Notary Public of Gaston County, N. C. are certified correct. This instrument was presented for registration on the 20th day of April, 2001, at 4:12 o'clock P m. and recorded in the Office of the Register of Deeds for Gaston County, North Carolina in Book 3224 at Page 607.

ALICE B. BROWN
REGISTER OF DEEDS FOR
GASTON COUNTY, N. C.

By Cheryl L. Overkamp
Deputy/Assistant

04/20/01 12:12PM 000000K3185
HX08 Rem

DEED	\$10.00
REVENUE FEES	\$360.00
TXTOTAL	\$370.00
CHECK	\$420.00
CHANGE	\$50.00

BK2707PG528

GASTON COUNTY NC 09/26/97
\$247.00Real Estate
Excise Tax
 Time 3:39
 Book 2707
 Page 528
 Filed 9-26-97

 DEED 10.00
 REVENUE 247.00
 TOTAL 257.00
 CHECK 275.00
 CHANGE 18.00

Excise Tax \$256.00 247.00

Recording Fee, Book and Page 15:29 0001 0237

 Tax Lot No. 02-14-143 Parcel Identifier No. _____
 Verified by _____ County on the _____ day of _____, 19____

by _____

 Mail after recording to Roger G. Tessmer - 2730 Kings Mountain Highway, Gastonia, N.C. 28052
 This instrument was prepared by Stott, Hollowell, Palmer & Windham, L.L.P.

Brief Description for the index _____

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made September 26, 1997, by and between

GRANTOR

GRANTEE

Lewis G. Harrelson, a 1/2 undivided interest and wife, Sarah B. Harrelson

Roger G. Tessmer and wife, Billie K. Tessmer

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g., corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Bessemer City, Crowders Mountain Township, Gaston County, North Carolina and more particularly described as follows:

BEING the full contents of Lots No. 45, 46, 47 and 48 in Block "9" in Section 3 of the Town of Bessemer City, made by W. R. Richardson, Surveyor, recorded in Plat Book 1 at Page 75 in the office of the Register of Deeds of Gaston County, N.C., to which reference is hereby made for a full and complete description of said lots by metes and bounds.

There is conveyed without warranty all of Grantors' right, title and interest if any in the southern one-half of the alleyway which lies along the northernmost lot line, said alleyway having since been withdrawn from dedication by the City Council of the Town of Bessemer City, North Carolina. See Ordinance Book 3 at Page 488 in the Gaston County Registry.

For chain of title reference, see deed recorded in Deed Book 2452 at Page 177 in the Gaston County Registry.

 REVENUE 10.00
247.00

BK2707PG529

The property hereinabove described was acquired by Grantor by instrument recorded in Book 2452, Page 177.

A map showing the above described property is recorded in Plat Book 1, at Page 75 in the Gaston County Registry.

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.

Title to the property hereinabove described is subject to the following exceptions:
Subject to easements, rights of way and restrictions as may appear of record.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

(Corporate Name)

By: _____

President

ATTEST: _____

Secretary (Corporate Seal)



SEAL-STAMP

NORTH CAROLINA, Gaston County.
I, the undersigned, a Notary Public of the County and State aforesaid, certify that Lewis G. Harrelson and Sarah B. Harrelson Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 21st day of September, 1997.

My commission expires: 4-7-2002 Notary Public: Diane M. Hunter

NORTH CAROLINA, _____ County.
I, the undersigned, a Notary Public of the County and State aforesaid, certify that _____ personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this _____ day of _____, 1997.

My commission expires: _____ Notary Public: _____

The foregoing Certificate(s) of Diane M. Hunter, N.P.

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

Alisa B. Brown REGISTER OF DEEDS FOR Gaston COUNTY
By Dusan S. Lockridge Deputy/Assistant Register of Deeds

BK2452PG177

GASTON COUNTY
118

05-03-95

STATE OF
NORTH
CAROLINA

\$36.00

Real Estate
Excise TaxTIME 4:48 p
BOOK 2452
PAGE 177
FILED 5-3-95

Excise Tax

Tax Lot No. _____ Recording Time, Book and Page DEED 10.00
Verified by _____ Parcel Identifier No. _____ REVENUE 36.00
by _____ County on the _____ day of _____ TOTAL 46.00
05/03/95 02 16149 0001 0133

Mall after recording to Roger G. Tessneer 2730 Kings Mtn Hwy
Gastonia NC 28052
This instrument was prepared by T. Lamar Robinson, Jr., Attorney at Law (21933)
Brief description for the index Lots 45, 46, 47 & 48, Block 9, Section 3, Town of Bessemer
City, PB 1 & 75

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 3rd day of May, 1995, by and between
GRANTOR GRANTEE

BRENDA ROBINSON BELT, formerly
Brenda R. Robinson and husband,
JAMES A. BELT

ROGER G. TESSNEER,
a 1/2 undivided interest and
LEWIS G. HARRELSON,
a 1/2 undivided interest
2730 Kings Mountain Hwy
Gastonia NC 28052

Enter in appropriate block for each party; name, address, and, if appropriate, character of entity, i.e., corporation or partnership.
The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.
WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Bessemer City, _____ County, North Carolina and more particularly described as follows:
Gaston _____

BEING THE FULL CONTENTS of Lots No. 45, 46, 47 and 48 in Block 9 in Section 3 of the Town of Bessemer City, made by W. R. Richardson, Surveyor, recorded in Plat Book 1 at Page 75 in the Gaston County Registry, to which reference is hereby made for a more full and complete description of said lot by metes and bounds.
There is conveyed without warranty all of Grantors' right, title and interest in any and along the northernmost lot line, said alleyway having since been withdrawn from dedication by the City Council of the Town of Bessemer City, North Carolina. See Ordinance Book 3 at Page 488 in the Gaston County Registry.

RECORDING FEE 10.00
REVENUE 36.00

BK2452PG178

The property hereinabove described was acquired by Grantor by instrument recorded in
Deed Book 1486 at Page 580

A map showing the above described property is recorded in Plat Book 1 page 75
TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to
the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey
the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and
defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.
Title to the property hereinabove described is subject to the following exceptions:

- A. All valid and enforceable restrictions, covenants and easements,
including general utility easements, if any, of record.
- B. No warranty is given as to any portion of the property as described
within the alleyway.

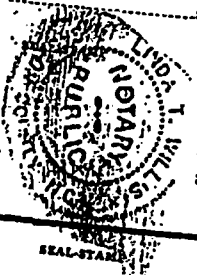
IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in his
corporate name by its duly authorized officers and its seal to be hereunto affixed, at the City of _____ and year first
above written.

BY: _____
(Corporate Name)

President
ATTEST:

Secretary (Corporate Seal)

Brenda Robinson Belt (REAL)
Brenda Robinson Belt, formerly
Brenda R. Robinson
James A. Belt (REAL)
James A. Belt

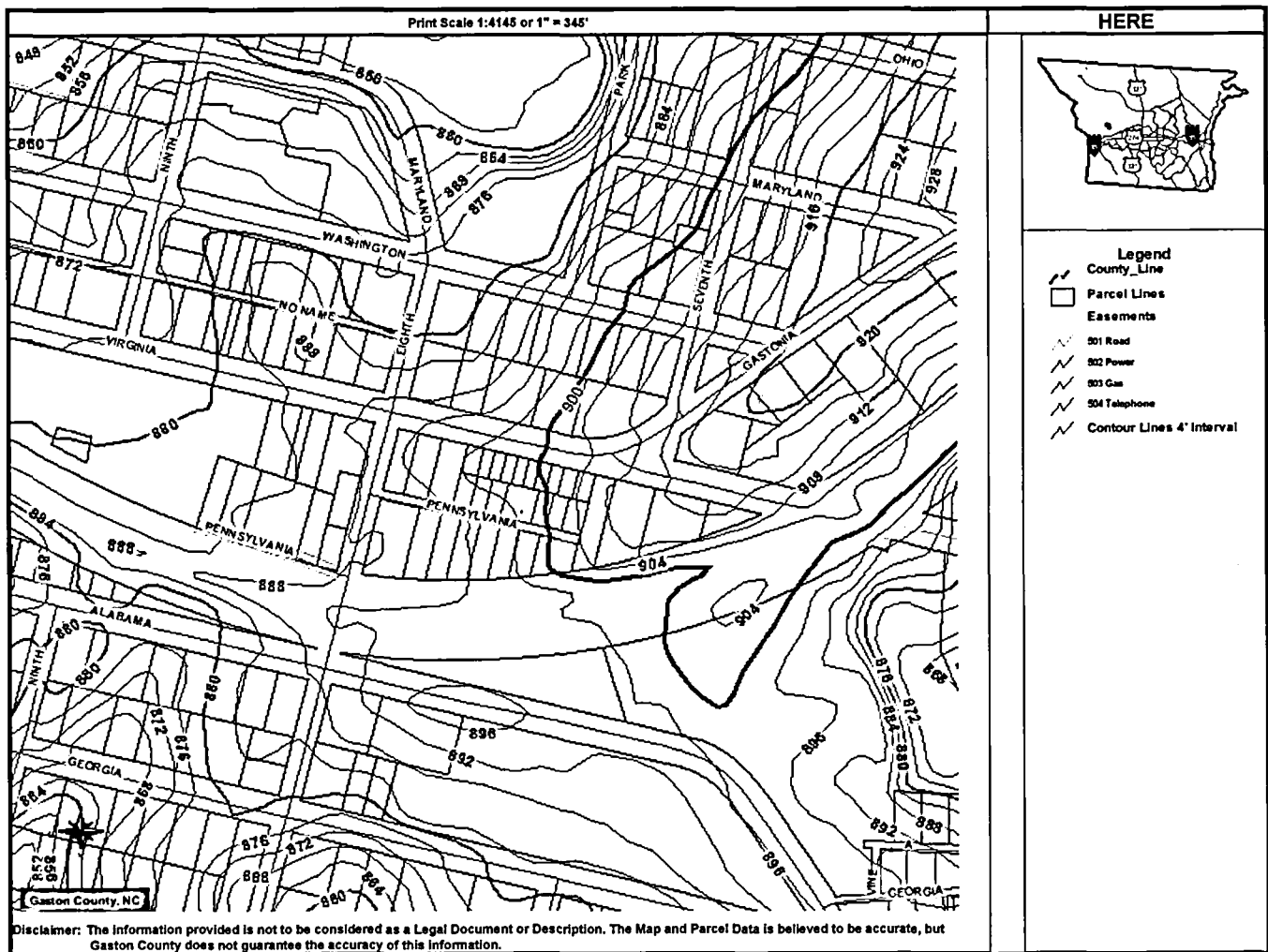


NORTH CAROLINA, _____ County.
I, a Notary Public of the County and State aforesaid, certify that Brenda Robinson Belt,
formerly Brenda R. Robinson and husband, James A. Belt,
personally appeared before me this day and acknowledged the execution of the foregoing instrument, witness my
hand and official stamp or seal, this 3rd day of May, 1995
My commission expires: 3/1/97
Linda T. Willis Notary Public

NORTH CAROLINA, _____ County.
I, a Notary Public of the County and State aforesaid, certify that _____
personally came before me this day and acknowledged that _____ he is _____ Secretary of
_____ a North Carolina corporation, and that by authority duly
given and as the act of the corporation, the foregoing instrument was signed in its name by its
President, sealed with its corporate seal and attested by _____ As its Secretary.
Witness my hand and official stamp or seal, this _____ day of _____ 19_____
My commission expires: _____

The foregoing Certificate(s) of Linda T. Willis, a notary public of Gaston County, N. C.

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the
first page hereof.
by ALICE B. BROWN
Alice B. Brown REGISTER OF DEEDS FOR GASTON COUNTY
Deputy Registrar - Registrar of Deeds



GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY

21. Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:

National Priorities List - within 1.0 mile (1.6 Km)?	Yes	<u>No</u>
CERCLIS List - within 0.5 mile (0.8 Km)?	Yes	<u>No</u>
RCRA TSD Facilities - within 1.0 mile (1.6 Km)?	Yes	<u>No</u>
NA* = not applicable, no federal database searches requested		

22. Do any of the following state record systems list the property or any property within the circumference of the area noted below:

State Equivalent to NPL List - within 1.0 mile (1.6 Km)?	<u>Yes</u>	No
State Equivalent to CERCLIS- within 0.5 mile (0.8 Km)?	Yes	<u>No</u>
Leaking Underground Storage Tank (LUST) List - within 0.5 mi.?	<u>Yes</u>	No

23. Based upon a review of fire insurance maps or consultation with the local fire department serving the property, are any buildings or improvements on the property or an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?

Yes	<u>No</u>	N/A
-----	-----------	-----

This questionnaire was completed by:

Name: Terry Kennedy, P.G.
 Title: Vice President
 Firm: Geological Resources, Inc.
 Address: 2301-F Crown Point Executive Drive
 Charlotte, NC 28227
 Phone Number: (704) 845-4010
 Date: 10/31/08

If the preparer is different than the user, complete the following:

Name of User : BB&T Environmental Risk Management Department
 User's Address: 5130. Parkway plaza Blvd., Charlotte, NC 28217
 User's Phone Number : 704.954.1715
 Name of User : U.S. Small Business Administration
 User's Address: 220 Riverfront Drive, Little Rock, AK 72022
 Preparer's Relationship to User: Environmental Consultant

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature



Date

11/04/08

15. Has the <i>owner</i> or occupant of the <i>property</i> been informed of the past or current existence of <i>hazardous substances</i> or <i>petroleum products</i> or environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
16. Does the <i>owner</i> or occupant of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
17. Does the <i>owner</i> or occupant of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or <i>petroleum products</i> involving the <i>property</i> by any <i>owner</i> or <i>occupant</i> of the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
18. Does the <i>property</i> discharge waste water on or adjacent to the <i>property</i> other than storm water into the sanitary sewer system?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
19. To the best of your knowledge, have any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk

7. Has <i>fill dirt</i> been brought onto the <i>property</i> that originated from a contaminated site or that is of an unknown origin?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
8.. Are there currently, or to the best of your knowledge have there been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
9. Is there currently, or to the best of your knowledge have there been previously, any stained soil on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
12 Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
13. If the <i>property</i> is served by a private well or non-public water system, have contaminants been identified in the well or systems that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	NA	Yes	No	Unk
14. Does the owner or occupant of the <i>property</i> have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk

DATE OF INTERVIEW: 10/31/08

Question	Property Owner			Observed on Site					
1. Is the <i>property</i> or any <i>adjoining property</i> used for an industrial use?	Yes	<u>No</u>	Unk	Yes	No	Unk	Yes	No	Unk
2. To the best of your knowledge has the <i>property</i> or any <i>adjoining property</i> been used for an industrial use in the past?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
3. Is the <i>property</i> or any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
4. To the best of your knowledge has the <i>property</i> or any <i>adjoining property</i> been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive, industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in aggregate, stored on or used at the <i>property</i> or at the facility?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk
6. Are there currently, or to the best of your knowledge have there been previously, any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the <i>property</i> or at the facility?	Yes	<u>No</u>	Unk	Yes	<u>No</u>	Unk	Yes	No	Unk

APPENDIX F
Transaction Screen Questionnaire



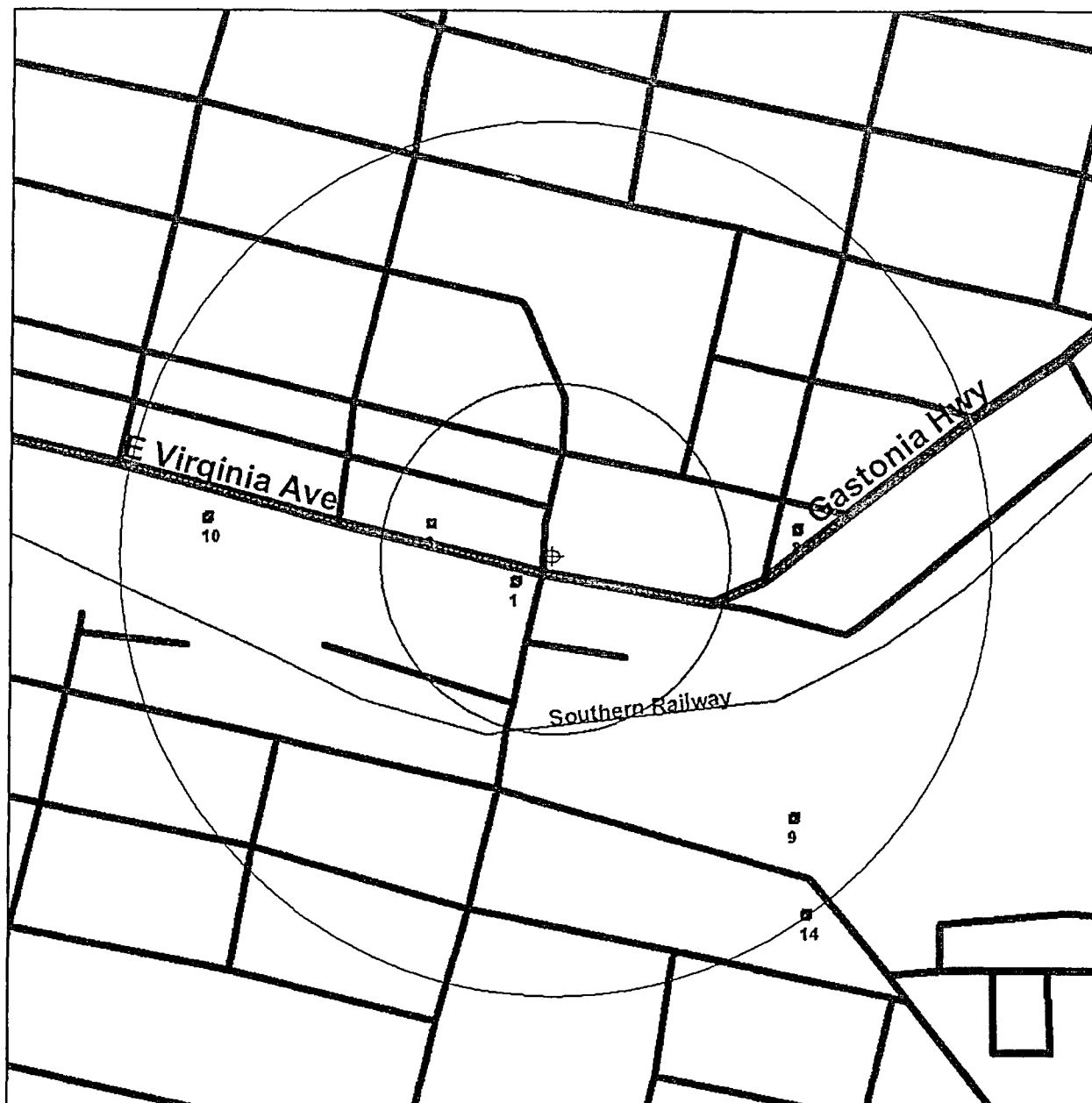
Environmental FirstSearch

.25 Mile Radius

Non-ASTM Map: Spills 90, Other



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- National Historic Sites and Landmark Sites
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



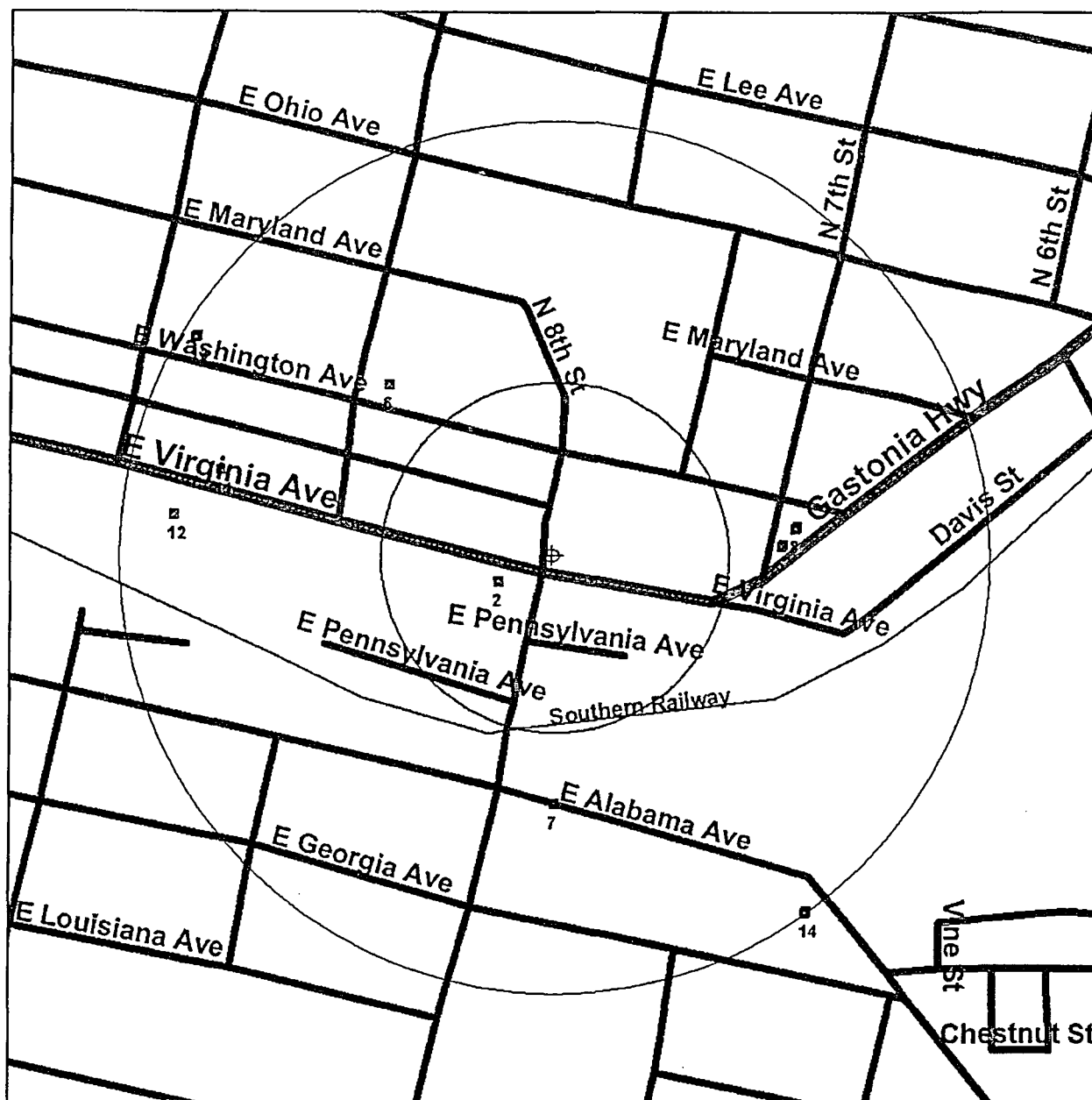
Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
 - Identified Site, Multiple Sites, Receptor
 - NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 - Triballand
 - Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Environmental FirstSearch

.5 Mile Radius
ASTM Map: CERCLIS, RCRATSD, LUST, SWL



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
 - Identified Site, Multiple Sites, Receptor
 - NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 - Triballand
 - Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRACOR, STATE Sites



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



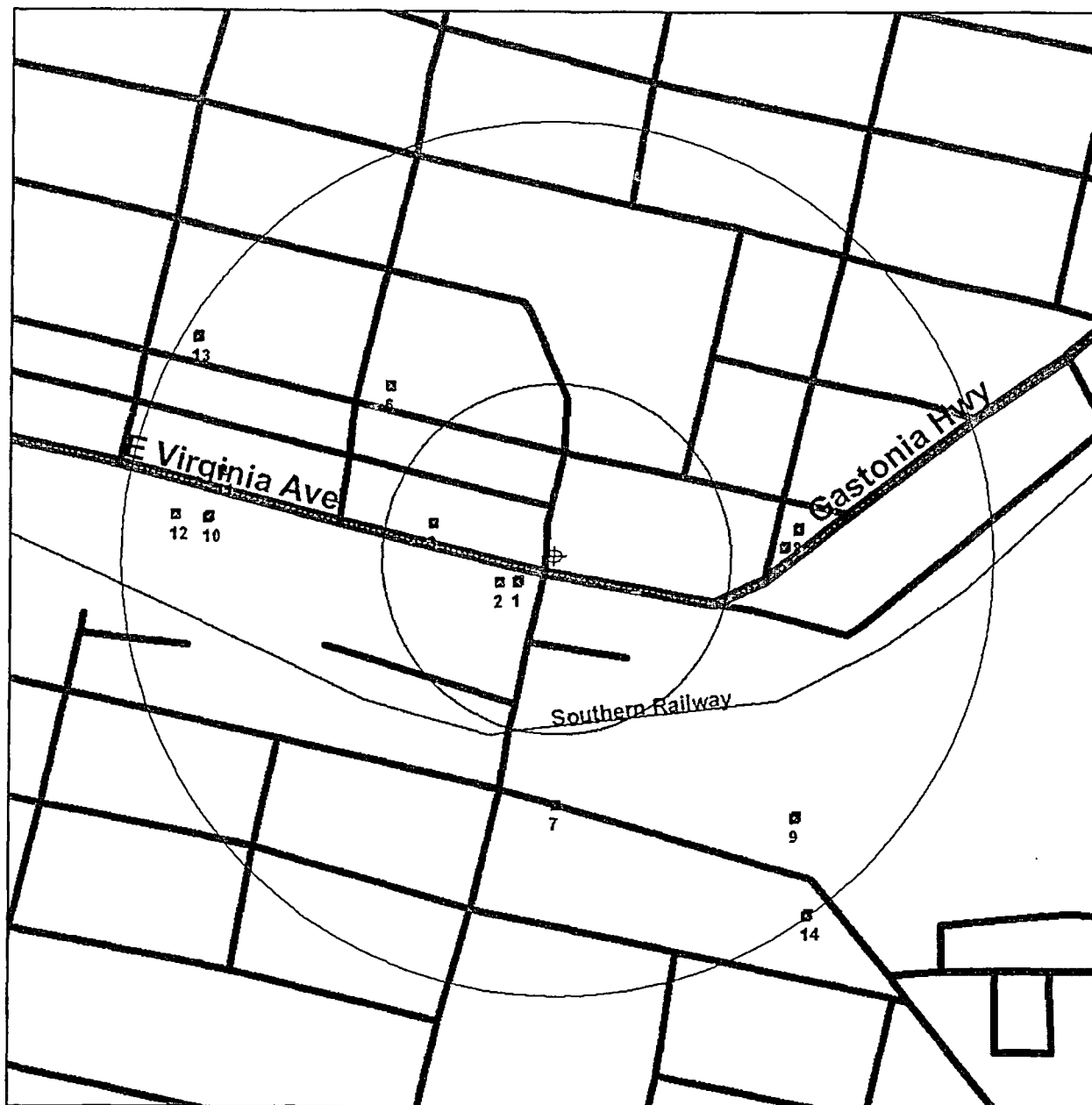
Environmental FirstSearch

.25 Mile Radius

ASTM-05: SPILLS90, RCRAGEN, ERNS, UST, OTHER



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



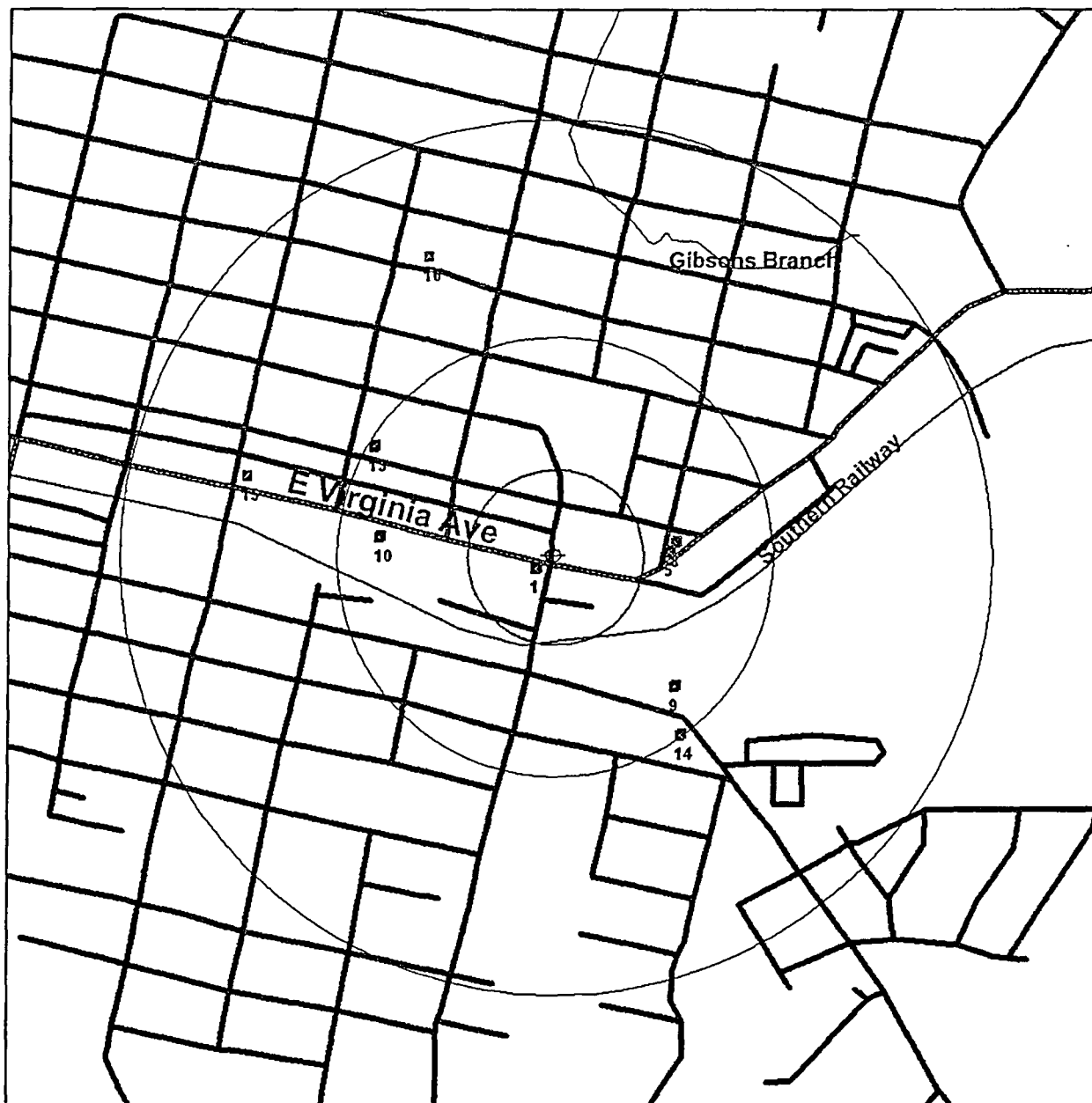
Environmental FirstSearch

.5 Mile Radius

ASTM-05: Multiple Databases



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Environmental FirstSearch

1 Mile Radius

ASTM-05: NPL, RCRACOR, STATE



501 E. VIRGINIA AVE, BESSEMER CITY NC 28016



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 35.28322 Longitude: -81.275169)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

<u>Street Name</u>	<u>Dist/Dir</u>	<u>Street Name</u>	<u>Dist/Dir</u>
1306	0.00 --		
Davis St	0.18 SE		
E Alabama Ave	0.12 SW		
E Georgia Ave	0.19 SW		
E Maryland Ave	0.15 NW		
E Ohio Ave	0.22 NE		
E Pennsylvania Ave	0.03 SW		
E Virginia Ave	0.01 NE		
E Washington Ave	0.08 NE		
Gastonia Hwy	0.11 SE		
N 10th St	0.25 NW		
N 7th St	0.14 NE		
N 8th St	0.01 NE		
N 9th St	0.12 NW		
Park St	0.10 NE		
S 10th St	0.25 NW		
S 7th St	0.23 SE		
S 8th St	0.00 --		
S 9th St	0.17 SW		
State Highway 274	0.01 NE		
State Road 1307	0.12 SW		

State Spills 90: NCDENR North Carolina Department of Environment and Natural Resources, Division of Water Quality/Groundwater Section

Updated quarterly

State/Tribal SWL: NCDENR North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated annually

State/Tribal LUST: NCDENR North Carolina Department of Environment and Natural Resources, Division of Water Quality/Groundwater Section

Updated quarterly

State/Tribal UST/AST: NCDENR/EPA North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated quarterly

State/Tribal IC: NCDENR North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated quarterly

State/Tribal VCP: NCDENR North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated quarterly

State/Tribal Brownfields: NCDENR North Carolina Department of Environment and Natural Resources

Updated quarterly

RADON: NTIS Environmental Protection Agency, National Technical Information Services

Updated periodically

State Other: NC DENR North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated quarterly

State Other: US DOJ U.S. Department of Justice

Updated when available

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

NPL DELISTED: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPAMA DEP/CT DEP Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

Federal IC / EC: EPA Environmental Protection Agency

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated annually

Tribal Lands: DOI/BIA United States Department of the Interior

Updated annually

State/Tribal Sites: NCDENR North Carolina Department of Environment and Natural Resources, Division of Waste Management

Updated quarterly

priority.

State/Tribal SWL: *NC DENR* ALL PERMITTED SOLID WASTE FACILITIES - database of C&D Landfill, Compost, House Hold Hazardous Waste landfill, Incinerator (Industrial) Landfill, Incinerator (Medical) Landfill, Industrial Landfill, Land Clearing and Inert Debris Landfill, Mixed Waste Processing Landfill, Municipal Solid Waste Landfill, Tire Treatment and Processing Landfill, and Transfer and Processing Stations.

State/Tribal LUST: *NC DENR* INCIDENT MANAGEMENT DATA (UST and Groundwater) - database of leaking underground storage tanks. This database is a subset of the Incident Management Data (UST and Groundwater) where the source is a leaking ust. This data is concerned with petroleum storage systems and includes facilities and/or locations that have reported the possible release of contaminants. This database also includes State Spill Sites.

REGIONAL UST DATABASE (SUBSET) - database of information obtained from the Regional Offices in which an incident has occurred. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database.

State/Tribal UST/AST: *NC DENR/EPA* REGISTERED TANKS and FACILITY DATABASE - database of underground storage tanks registered with the North Carolina Department of Environment and Natural Resources. Inclusion on this list indicates the presence of underground petroleum storage tanks and therefore the potential for environmental problems. It does not necessarily indicate existing problems.

TRIBAL LAND UNDERGROUND STORAGE TANKS - database of underground storage tanks that are reported to be on Native American lands.

REGIONAL UST DATABASE - database of information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database.

State/Tribal IC: *NC DENR* STATE INACTIVE HAZARDOUS SITES LIST SUBSET - database of sites and Facilities that have land use restrictions and are being investigated due to reported releases of Hazardous substances. Included within this Inactive Hazardous Waste Sites Inventory database are the following classifications: Inactive Hazardous Waste Sites (IHS), No Further Action Sites (NFA), Duplicate Sites (DS), Inactive Hazardous Waste Sites Priority List Sites (SPL)

State/Tribal VCP: *NC DENR* STATE INACTIVE HAZARDOUS SITES LIST SUBSET- database of sites and Facilities that are being investigated due to reported releases of Hazardous substances and have a voluntary cleanup agreement. Included within this Inactive Hazardous Waste Sites Inventory database are the following classifications: Inactive Hazardous Waste Sites (IHS), No Further Action Sites (NFA), Duplicate Sites (DS), Inactive Hazardous Waste Sites Priority List Sites (SPL)

State/Tribal Brownfields: *NC DENR* BROWNFIELD PROJECTS INVENTORY - database of Active Eligible Sites, Projects Pending Eligibility, and Finalized Brownfields Agreements.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Other: *NC DENR* North Carolina Dry-Cleaning Solvent Cleanup Act Program (DSCA) – Database of certified site list and project managers

DENR DRYCLEANING SITES LIST – Database of all sites identified by the department with possible dry-cleaning solvent contamination. List includes sites that have been certified into the DSCA Program.

State Other: *US DOJ* NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN - Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST - Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR - database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

Federal IC / EC: EPA BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

BUREAU OF INDIAN AFFAIRS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: NCDENR STATE INACTIVE HAZARDOUS SITES LIST - database of sites and Facilities that are being investigated due to reported releases of Hazardous substances. Included within this Inactive Hazardous Waste Sites Inventory database are the following classifications: Inactive Hazardous Waste Sites (IHS), No Further Action Sites (NFA), Duplicate Sites (DS), Inactive Hazardous Waste Sites Priority List Sites (SPL)

State Spills 90: NCDENR INCIDENT MANAGEMENT DATA (UST and Groundwater) - database of possible releases/spills of contaminants. The data includes media effected, material released, source and site

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP - No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W - Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 19 **DIST/DIR:** 0.37 NW **ELEVATION:** 856 **MAP ID:** 6

NAME: BESSEMER CITY GARAGE FACILITY
ADDRESS: 321 EAST LEE AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-010056
ID2: 10056
STATUS: REMEDIAL ACTION IMPLEMENTED
PHONE: 704-629-5542

CONTACT: RALPH S. MESSERA

RESPONSIBLE LANDOWNER: 0
COMMENTS:

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 19 **DIST/DIR:** 0.37 NW **ELEVATION:** 856 **MAP ID:** 6

NAME: BESSEMER CITY GARAGE FACILITY	REV: 8/8/08
ADDRESS: 321 EAST LEE AVE	ID1: NCI-010056
BESSEMER CITY NC 28016	ID2: 10056
CONTACT: RALPH S. MESSERA	STATUS: REMEDIAL ACTION IMPLEMENTED
	PHONE: 704-629-5542

REGIONAL UST DATA

UST NUMBER:	MO-3768
INCIDENT NUMBER:	10056
CD NUMBER:	0
REEL NUMBER:	0
REGIONAL CONTACT:	JAB
REGIONAL OFFICE:	MOR
DATE OCCURRED:	12/14/1992

RESPONSIBLE COMPANY:

CITY OF BESSEMER CITY
132 WEST VIRGINIA AVENUE
BESSEMER CITY ,NC , 28016

SOURCE:	LEAK, UST
PETROLEUM TYPE:	
COMMERCIAL/NONCOMMERCIAL:	COMMERCIAL
REGULATED:	REGULATED
REGULATORY REQUIREMENT:	4/14/1993
VIOLATION:	

PHASE REQUIRED:	
SITE PRIORITY:	E
RISK:	L
RISK OF INCIDENT:	L
INTERMEDIATE CONDITION:	
LAND USE:	

CORRECTIVE ACTION PLAN:	
RBCA:	
CLOSED REVIEW REQUESTED:	
CASE CLOSED:	
CONTAMINATION:	SOIL
SUPPLY WELLS:	0
MTBE IN WELL:	
MTBE IN GROUNDWATER:	UNKNOWN
LEAK DISCOVERED:	0
LAND USE RESTRICTION FILED:	
CLEAN UP:	12/14/1992
CURRENT STATUS:	CURRENT RECORD

RBCA GROUNDWATER:	
POLLUTANT TYPE:	
CD NUMBER:	0
RESPONSIBLE OWNER:	0
RESPONSIBLE OPERATOR:	0

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 24 **DIST/DIR:** 0.36 NW **ELEVATION:** 875 **MAP ID:** 5

NAME: SUPERIOR PLASTICS, INC.
ADDRESS: 209 EAST VIRGINIA AVE
BESSEMER CITY NC 28016
GASTON

REV: 8/8/08
ID1: NCI-036020
ID2: 36020
STATUS:
PHONE:

CONTACT:

RESPONSIBLE LANDOWNER: -1
COMMENTS: submitted to state lead on 2/21/07

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST																																																	
SEARCH ID: 24	DIST/DIR: 0.36 NW	ELEVATION: 875	MAP ID: 15																																														
NAME: SUPERIOR PLASTICS, INC. ADDRESS: 209 EAST VIRGINIA AVE BESSEMER CITY NC 28016 GASTON		REV: 8/8/08 ID1: NCI-036020 ID2: 36020 STATUS: PHONE:																																															
<p><u>REGIONAL UST DATA</u></p> <table style="width:100%;"> <tr><td>UST NUMBER:</td><td>MO-7359</td></tr> <tr><td>INCIDENT NUMBER:</td><td>36020</td></tr> <tr><td>CD NUMBER:</td><td>0</td></tr> <tr><td>REEL NUMBER:</td><td>0</td></tr> <tr><td>REGIONAL CONTACT:</td><td>STF</td></tr> <tr><td>REGIONAL OFFICE:</td><td>MOR</td></tr> <tr><td>DATE OCCURRED:</td><td>12/20/2005</td></tr> </table> <p><u>RESPONSIBLE COMPANY:</u></p> <p align="center">UNKNOWN NC,</p> <table style="width:100%;"> <tr><td>SOURCE:</td><td>LEAK, UST</td></tr> <tr><td>PETROLEUM TYPE:</td><td>PETROLEUM</td></tr> <tr><td>COMMERCIAL/NONCOMMERCIAL:</td><td>COMMERCIAL</td></tr> <tr><td>REGULATED:</td><td>REGULATED</td></tr> <tr><td>REGULATORY REQUIREMENT:</td><td></td></tr> <tr><td>VIOLATION:</td><td></td></tr> </table> <p>PHASE REQUIRED:</p> <p>SITE PRIORITY:</p> <table style="width:100%;"> <tr><td>RISK:</td><td>U</td></tr> <tr><td>RISK OF INCIDENT:</td><td>H</td></tr> </table> <p>INTERMEDIATE CONDITION:</p> <p>LAND USE:</p> <p>CORRECTIVE ACTION PLAN:</p> <p>RBCA:</p> <p>CLOSED REVIEW REQUESTED:</p> <p>CASE CLOSED:</p> <table style="width:100%;"> <tr><td>CONTAMINATION:</td><td>SOIL</td></tr> <tr><td>SUPPLY WELLS:</td><td>0</td></tr> <tr><td>MTBE IN WELL:</td><td>0</td></tr> <tr><td>MTBE IN GROUNDWATER:</td><td>UNKNOWN</td></tr> </table> <p>LEAK DISCOVERED: 0</p> <p>LAND USE RESTRICTION FILED:</p> <p>CLEAN UP:</p> <p>CURRENT STATUS: CURRENT RECORD</p> <p>RBCA GROUNDWATER:</p> <table style="width:100%;"> <tr><td>POLLUTANT TYPE:</td><td>GASOLINE/DIESEL/KEROSENE</td></tr> <tr><td>CD NUMBER:</td><td>0</td></tr> <tr><td>RESPONSIBLE OWNER:</td><td>-1</td></tr> <tr><td>RESPONSIBLE OPERATOR:</td><td>-1</td></tr> </table>				UST NUMBER:	MO-7359	INCIDENT NUMBER:	36020	CD NUMBER:	0	REEL NUMBER:	0	REGIONAL CONTACT:	STF	REGIONAL OFFICE:	MOR	DATE OCCURRED:	12/20/2005	SOURCE:	LEAK, UST	PETROLEUM TYPE:	PETROLEUM	COMMERCIAL/NONCOMMERCIAL:	COMMERCIAL	REGULATED:	REGULATED	REGULATORY REQUIREMENT:		VIOLATION:		RISK:	U	RISK OF INCIDENT:	H	CONTAMINATION:	SOIL	SUPPLY WELLS:	0	MTBE IN WELL:	0	MTBE IN GROUNDWATER:	UNKNOWN	POLLUTANT TYPE:	GASOLINE/DIESEL/KEROSENE	CD NUMBER:	0	RESPONSIBLE OWNER:	-1	RESPONSIBLE OPERATOR:	-1
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CD NUMBER:	0																																																
RESPONSIBLE OWNER:	-1																																																
RESPONSIBLE OPERATOR:	-1																																																

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*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 13	DIST/DIR: 0.25 SE	ELEVATION: 913	MAP ID: 14
NAME: JAMES SUPERETTE		REV: 8/8/08	
ADDRESS: 621 ATHENIA PLC		ID1: MO-1319	
BESSEMER CITY NC 28016		ID2:	
GASTO		STATUS:	
CONTACT:		PHONE:	
RESPONSIBLE OWNER:		0	
RESPONSIBLE OPERATOR:		0	
RESPONSIBLE LANDOWNER:		0	
COMMENTS:			

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST																																																			
SEARCH ID: 13	DIST/DIR: 0.25 SE	ELEVATION: 913	MAP ID: 14																																																
NAME: JAMES SUPERETTE ADDRESS: 621 ATHENIA PLC BESSEMER CITY NC 28016 GASTO CONTACT:		REV: 8/8/08 ID1: MO-1319 ID2: STATUS: PHONE:																																																	
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- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST			
SEARCH ID: 22	DIST/DIR: 0.25 SE	ELEVATION: 913	MAP ID: 14
NAME: JAMES SUPERETTE		REV: 8/8/08	
ADDRESS: 621 ATHENIA PLC		ID1: NCI-027450	
BESSEMER CITY NC 28016		ID2: 27450	
GASTO		STATUS:	
CONTACT:		PHONE:	
RESPONSIBLE LANDOWNER: 0			
COMMENTS:			

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 22 **DIST/DIR:** 0.25 SE **ELEVATION:** 913 **MAP ID:** 14

NAME:	JAMES SUPERETTE	REV:	8/8/08
ADDRESS:	621 ATHENIA PLC	ID1:	NCI-027450
	BESSEMER CITY NC 28016	ID2:	27450
	GASTO	STATUS:	
CONTACT:		PHONE:	

REGIONAL UST DATA

UST NUMBER:	MO-1319
INCIDENT NUMBER:	27450
CD NUMBER:	41
REEL NUMBER:	0
REGIONAL CONTACT:	CBC
REGIONAL OFFICE:	MOR
DATE OCCURRED:	

RESPONSIBLE COMPANY:

..

SOURCE:	LEAK, UST
PETROLEUM TYPE:	PETROLEUM
COMMERCIAL/NONCOMMERCIAL:	COMMERCIAL
REGULATED:	REGULATED
REGULATORY REQUIREMENT:	
VIOLATION:	

PHASE REQUIRED:	
SITE PRIORITY:	
RISK:	L
RISK OF INCIDENT:	L
INTERMEDIATE CONDITION:	
LAND USE:	

CORRECTIVE ACTION PLAN:	
RBCA:	
CLOSED REVIEW REQUESTED:	
CASE CLOSED:	1/17/1991
CONTAMINATION:	SOIL
SUPPLY WELLS:	0
MTBE IN WELL:	
MTBE IN GROUNDWATER:	UNKNOWN

LEAK DISCOVERED:	0
LAND USE RESTRICTION FILED:	
CLEAN UP:	1/8/1991
CURRENT STATUS:	ARCHIVED

RBCA GROUNDWATER:	
POLLUTANT TYPE:	GASOLINE/DIESEL/KEROSENE
CD NUMBER:	41
RESPONSIBLE OWNER:	0
RESPONSIBLE OPERATOR:	0

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 6 **DIST/DIR:** 0.25 SE **ELEVATION:** 913 **MAP ID:** 4

NAME: JAMES SUPERETTE
ADDRESS: 621 ATHENIA PLC
BESSEMER CITY NC
GASTO

REV: 07/21/06
ID1: 27450
ID2:
STATUS:
PHONE:

CONTACT:

SITE INFORMATION

OWNER/OPERATOR:

DATE OF RELEASE:

DATE SUBMITTED: 1/8/1991

DESCRIPTION OF INCIDENT: SOIL CONT. DETECTED DURING CLOSURE. INCIDENT CLOSED.

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?:

N

MAJOR SOIL CONTAMINATION?:

Y

MATERIAL INVOLVED (1):

AMOUNT LOST (1):

AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2):

AMOUNT LOST (2):

AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):

AMOUNT LOST (3):

AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED:

NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?:

L

SITE PRIORITY:

PRIORITY CODE:

PRIORITY UPDATE:

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST			
SEARCH ID: 18	DIST/DIR: 0.24 NW	ELEVATION: 858.853399	MAP ID: 13
NAME: BESSEMER CITY CENTRAL SCHOOL APTS		REV: 8/8/08	
ADDRESS: 317 EAST WASHINGTON ST		ID1: NCI-036480	
BESSEMER CITY NC 27520		ID2: 36480	
GASTO		STATUS: CURRENT RECORD	
CONTACT: BILL SCANTLAND		PHONE: 3367229871	
RESPONSIBLE LANDOWNER: 0			
COMMENTS:			

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 18 **DIST/DIR:** 0.24 NW **ELEVATION:** 858.853399 **MAP ID:** 13

NAME: BESSEMER CITY CENTRAL SCHOOL APTS ADDRESS: 317 EAST WASHINGTON ST BESSEMER CITY NC 27520 GASTO CONTACT: BILL SCANTLAND	REV: 8/8/08 ID1: NCI-036480 ID2: 36480 STATUS: CURRENT RECORD PHONE: 3367229871
---	--

REGIONAL UST DATA

UST NUMBER:	MO-7863
INCIDENT NUMBER:	36480
CD NUMBER:	0
REEL NUMBER:	0
REGIONAL CONTACT:	BCN
REGIONAL OFFICE:	MOR
DATE OCCURRED:	12/15/2007

RESPONSIBLE COMPANY:

CENTRAL SCHOOL, LLC
406 EAST FOURTH STREET
WINSTON-SALEM, NC, 27101

SOURCE:	LEAK, UST
PETROLEUM TYPE:	PETROLEUM
COMMERCIAL/NONCOMMERCIAL:	COMMERCIAL
REGULATED:	NON REGULATED
REGULATORY REQUIREMENT:	
VIOLATION:	

PHASE REQUIRED:	
SITE PRIORITY:	
RISK:	L
RISK OF INCIDENT:	L
INTERMEDIATE CONDITION:	
LAND USE:	

CORRECTIVE ACTION PLAN:	
RBCA:	
CLOSED REVIEW REQUESTED:	
CASE CLOSED:	8/7/2008
CONTAMINATION:	SOIL
SUPPLY WELLS:	0
MTBE IN WELL:	0
MTBE IN GROUNDWATER:	UNKNOWN
LEAK DISCOVERED:	0
LAND USE RESTRICTION FILED:	
CLEAN UP:	
CURRENT STATUS:	CURRENT RECORD

RBCA GROUNDWATER:	
POLLUTANT TYPE:	HEATING OIL
CD NUMBER:	0
RESPONSIBLE OWNER:	-1
RESPONSIBLE OPERATOR:	0

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 10	DIST/DIR: 0.24 NW	ELEVATION: 858.853399	MAP ID: 13
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NAME: BESSEMER CITY CENTRAL SCHOOL APTS
ADDRESS: 317 EAST WASHINGTON ST
BESSEMER CITY NC 27520
GASTO

REV: 8/8/08
ID1: MO-7863
ID2:
STATUS:
PHONE: 3367229871

CONTACT: BILL SCANTLAND

RESPONSIBLE OWNER: -1
RESPONSIBLE OPERATOR: 0
RESPONSIBLE LANDOWNER: 0
COMMENTS:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 10	DIST/DIR: 0.24 NW	ELEVATION: 858.853399	MAP ID: 13
NAME: BESSEMER CITY CENTRAL SCHOOL APTS		REV: 8/8/08	
ADDRESS: 317 EAST WASHINGTON ST BESSEMER CITY NC 27520 GASTO		ID1: MO-7863	
CONTACT: BILL SCANTLAND		ID2:	
		STATUS:	
		PHONE: 3367229871	
<u>SITE INFORMATION</u>			
<u>REGIONAL UST DATA</u>			
UST NUMBER:		MO-7863	
INCIDENT NUMBER:		36480	
CD NUMBER:		0	
REEL NUMBER:		0	
REGIONAL CONTACT:		BCN	
REGIONAL OFFICE:		MOR	
DATE OCCURRED:		12/15/2007	
<u>RESPONSIBLE COMPANY:</u>			
		CENTRAL SCHOOL, LLC 406 EAST FOURTH STREET WINSTON-SALEM, NC, 27101	
SOURCE:		LEAK, UST	
PETROLEUM TYPE:		PETROLEUM	
COMMERCIAL/NONCOMMERCIAL:		COMMERCIAL	
REGULATED:		NON REGULATED	
REGULATORY REQUIREMENT:			
VIOLATION:			
PHASE REQUIRED:			
SITE PRIORITY:			
RISK:		L	
RISK OF INCIDENT:		L	
INTERMEDIATE CONDITION:			
LAND USE:			
CORRECTIVE ACTION PLAN:			
RBCA:			
CLOSED REVIEW REQUESTED:			
CASE CLOSED:		8/7/2008	
CONTAMINATION:		SOIL	
SUPPLY WELLS:		0	
MTBE IN WELL:		0	
MTBE IN GROUNDWATER:		UNKNOWN	
LEAK DISCOVERED:		0	
LAND USE RESTRICTION FILED:			
CLEAN UP:			
CURRENT STATUS:		CURRENT RECORD	
RBCA GROUNDWATER:			
POLLUTANT TYPE:		HEATING OIL	
CD NUMBER:		0	

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 15	DIST/DIR: 0.22 NW	ELEVATION: 897	MAP ID: 12
NAME: MCBESS INDUSTRIES INC. ADDRESS: EAST VIRGINIA PO BOX 1240 AVE BESSEMER CITY NC 28016 GASTON		REV: 8/8/08 ID1: 0-015155 ID2: STATUS: PHONE: (704) 692-2297	
CONTACT:			
PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:			

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 15	DIST/DIR: 0.22 NW	ELEVATION: 897	MAP ID: 12
NAME: MCBESS INDUSTRIES INC. ADDRESS: EAST VIRGINIA PO BOX 1240 AVE BESSEMER CITY NC 28016 GASTON		REV: 8/8/08 ID1: 0-015155 ID2: STATUS: PHONE: (704) 692-2297	
CONTACT:			
<u>SITE INFORMATION</u>			
TOTAL NUMBER OF TANKS:		2	
OWNER INFORMATION:		MCBESS INDUSTRIES INC. EAST VIRGINIA AVE. PO BOX 1240 BESSEMER CITY NC 28016	
PHONE:		(704) 629-2297	
TANK NUMBER:		1	
TANK CERT NUMBER:			
INSTALLATION DATE:		4/29/1966	
TANK LAST USED:			
TANK CLOSED:		12/31/1987	
STATUS:		PERMANENTLY CLOSED	
CONTENTS:		GASOLINE, GASOLINE MIXTURE	
CAPACITY IN GALLONS:		550	
COMMENTS:			
CONSTRUCTION MATERIAL:		STEEL	
INTERIOR:		UNKNOWN	
EXTERIOR:		UNKNOWN	
CORROSION PROTECTION:			
LEAK DETECTION:			
PIPING MATERIAL:		STEEL	
PIPE CORROSION PROTECTION:			
PIPE LEAK DETECTION:			
OVERFLOW PROTECTION:			
FINANCIAL RESPONSIBILITY:			
CERTIFICATION TYPE:			
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
TANK NUMBER:		2	
TANK CERT NUMBER:			
INSTALLATION DATE:		4/29/1966	
TANK LAST USED:			
TANK CLOSED:		12/31/1987	
STATUS:		PERMANENTLY CLOSED	
CONTENTS:		DIESEL, DIESEL MIXTURE	
CAPACITY IN GALLONS:		12000	
COMMENTS:			
CONSTRUCTION MATERIAL:		STEEL	
INTERIOR:		UNKNOWN	
EXTERIOR:		UNKNOWN	
CORROSION PROTECTION:			
LEAK DETECTION:			
PIPING MATERIAL:		STEEL	

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 11	DIST/DIR: 0.20 NW	ELEVATION: 883	MAP ID: 11
NAME: BESSEMER CITY OIL COMPANY ADDRESS: 311 EAST VIRGINIA AVE BESSEMER CITY NC 28016		REV: 8/8/08 ID1: 0-033126 ID2: STATUS: PHONE: (704) 629-2276	
CONTACT:			
REGULATORY REQUIREMENT: VIOLATION:			
PHASE REQUIRED: SITE PRIORITY: RISK: RISK OF INCIDENT: INTERMEDIATE CONDITION: LAND USE:			
CORRECTIVE ACTION PLAN: RBCA: CLOSED REVIEW REQUESTED:			
CASE CLOSED:		8/10/1998	
CONTAMINATION:		NONE	
SUPPLY WELLS:		0	
MTBE IN WELL:			
MTBE IN GROUNDWATER:		UNKNOWN	
LEAK DISCOVERED:		0	
LAND USE RESTRICTION FILED:			
CLEAN UP:			
CURRENT STATUS:		ARCHIVED	
RBCA GROUNDWATER:			
POLLUTANT TYPE:		GASOLINE/DIESEL/KEROSENE	
CD NUMBER:		71	
RESPONSIBLE OWNER:		0	
RESPONSIBLE OPERATOR:		0	
RESPONSIBLE LANDOWNER:		0	
COMMENTS:			

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 11	DIST/DIR: 0.20 NW	ELEVATION: 883	MAP ID: 11
NAME: BESSEMER CITY OIL COMPANY		REV: 8/8/08	
ADDRESS: 311 EAST VIRGINIA AVE BESSEMER CITY NC 28016		ID1: 0-033126	
CONTACT:		ID2:	
		STATUS:	
		PHONE: (704) 629-2276	
FINANCIAL RESPONSIBILITY:			
CERTIFICATION TYPE:			
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
TANK NUMBER:		5	
TANK CERT NUMBER:			
INSTALLATION DATE:		9/24/1978	
TANK LAST USED:		1/15/1992	
TANK CLOSED:		11/30/1992	
STATUS:		PERMANENTLY CLOSED	
CONTENTS:		GASOLINE, GASOLINE MIXTURE	
CAPACITY IN GALLONS:		6000	
COMMENTS:			
CONSTRUCTION MATERIAL:		STEEL	
INTERIOR:		UNKNOWN	
EXTERIOR:		NONE	
CORROSION PROTECTION:			
LEAK DETECTION:			
PIPING MATERIAL:		STEEL	
PIPE CORROSION PROTECTION:			
PIPE LEAK DETECTION:			
OVERFLOW PROTECTION:			
FINANCIAL RESPONSIBILITY:			
CERTIFICATION TYPE:			
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
<u>REGIONAL UST DATA</u>			
UST NUMBER:		MO-243	
INCIDENT NUMBER:			
CD NUMBER:		71	
REEL NUMBER:		0	
REGIONAL CONTACT:		SEB	
REGIONAL OFFICE:		MOR	
DATE OCCURRED:			
<u>RESPONSIBLE COMPANY:</u>			
..			
SOURCE:		LEAK, UST	
PETROLEUM TYPE:		PETROLEUM	
COMMERCIAL/NONCOMMERCIAL:		COMMERCIAL	
REGULATED:		REGULATED	

- Continued on next page -

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST	
SEARCH ID: 11	DIST/DIR: 0.20 NW ELEVATION: 883 MAP ID:
NAME: BESSEMER CITY OIL COMPANY	REV: 8/8/08
ADDRESS: 311 EAST VIRGINIA AVE	ID1: 0-033126
BESSEMER CITY NC 28016	ID2:
CONTACT:	STATUS:
	PHONE: (704) 629-2276
PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:	
TANK NUMBER: 3 TANK CERT NUMBER: INSTALLATION DATE: 9/24/1976 TANK LAST USED: 1/15/1992 TANK CLOSED: 11/30/1992 STATUS: PERMANENTLY CLOSED CONTENTS: GASOLINE, GASOLINE MIXTURE CAPACITY IN GALLONS: 4000 COMMENTS: CONSTRUCTION MATERIAL: STEEL INTERIOR: UNKNOWN EXTERIOR: NONE CORROSION PROTECTION: LEAK DETECTION: PIPING MATERIAL: STEEL PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:	
TANK NUMBER: 4 TANK CERT NUMBER: INSTALLATION DATE: 9/24/1978 TANK LAST USED: 1/15/1992 TANK CLOSED: 11/30/1992 STATUS: PERMANENTLY CLOSED CONTENTS: GASOLINE, GASOLINE MIXTURE CAPACITY IN GALLONS: 6000 COMMENTS: CONSTRUCTION MATERIAL: STEEL INTERIOR: UNKNOWN EXTERIOR: NONE CORROSION PROTECTION: LEAK DETECTION: PIPING MATERIAL: STEEL PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION:	

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 11 **DIST/DIR:** 0.20 NW **ELEVATION:** 883 **MAP ID:** 11

NAME: BESSEMER CITY OIL COMPANY
ADDRESS: 311 EAST VIRGINIA AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: 0-033126
ID2:
STATUS:
PHONE: (704) 629-2276

CONTACT:

SITE INFORMATION

TOTAL NUMBER OF TANKS: 5
OWNER INFORMATION: BESSEMER CITY OIL COMPANY
P O BOX 812
BESSEMER CITY NC 2801
PHONE: (704) 629-2276

TANK NUMBER: 1
TANK CERT NUMBER:
INSTALLATION DATE: 9/24/1976
TANK LAST USED: 1/15/1992
TANK CLOSED: 11/30/1992
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 6000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: UNKNOWN
EXTERIOR: NONE
CORROSION PROTECTION:
LEAK DETECTION:
PIPING MATERIAL: STEEL
PIPE CORROSION PROTECTION:
PIPE LEAK DETECTION:
OVERFLOW PROTECTION:
FINANCIAL RESPONSIBILITY:
CERTIFICATION TYPE:
GPS SITING CONFIRMED: N
PERSON CONFIRMING:

TANK NUMBER: 2
TANK CERT NUMBER:
INSTALLATION DATE: 9/24/1976
TANK LAST USED: 1/15/1992
TANK CLOSED: 11/30/1992
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: UNKNOWN
EXTERIOR: NONE
CORROSION PROTECTION:
LEAK DETECTION:
PIPING MATERIAL: STEEL

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 17	DIST/DIR: 0.20 NW	ELEVATION: 898	MAP ID: 10
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NAME: ATLANTIC SPINNERS, INC./WandW SHELL
ADDRESS: 212 EAST VIRGINIA AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-012270
ID2: 12270
STATUS: FOLLOW UP
PHONE:

CONTACT: JOEL GOODRICH (NOT RP)

RESPONSIBLE LANDOWNER: 0
COMMENTS:

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 17 **DIST/DIR:** 0.20 NW **ELEVATION:** 898 **MAP ID:** 10

NAME: ATLANTIC SPINNERS, INC./WandW SHELL
ADDRESS: 212 EAST VIRGINIA AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-012270
ID2: 12270
STATUS: FOLLOW UP
PHONE:

CONTACT: JOEL GOODRICH (NOT RP)

REGIONAL UST DATA

UST NUMBER: MO-4111
INCIDENT NUMBER: 12270
CD NUMBER: 0
REEL NUMBER: 0
REGIONAL CONTACT: BCN
REGIONAL OFFICE: MOR
DATE OCCURRED:

RESPONSIBLE COMPANY:

ATLANTIC SPINNERS
PO DRAWER 1240
BESSEMER CITY ,NC , 28016

SOURCE: LEAK, UST
PETROLEUM TYPE: PETROLEUM
COMMERCIAL/NONCOMMERCIAL: COMMERCIAL
REGULATED: REGULATED
REGULATORY REQUIREMENT:
VIOLATION:

PHASE REQUIRED:
SITE PRIORITY: 075D
RISK: L
RISK OF INCIDENT: I
INTERMEDIATE CONDITION: GROSS CONTAMINENT
LAND USE:

CORRECTIVE ACTION PLAN:
RBCA: INDUSTRIAL/COMMERCIAL
CLOSED REVIEW REQUESTED: 8/7/1998
CASE CLOSED:
CONTAMINATION: GROUNDWATER/BOTH
SUPPLY WELLS: 0
MTBE IN WELL:
MTBE IN GROUNDWATER: YES
LEAK DISCOVERED: 0
LAND USE RESTRICTION FILED:
CLEAN UP: 6/8/1994
CURRENT STATUS: CURRENT RECORD

RBCA GROUNDWATER:
POLLUTANT TYPE: GASOLINE/DIESEL/KEROSENE
CD NUMBER: 0
RESPONSIBLE OWNER: 0
RESPONSIBLE OPERATOR: 0

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 3	DIST/DIR: 0.20 NW	ELEVATION: 898	MAP ID: 10
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NAME: ATLANTIC SPINNERS, INC./WandW SH
ADDRESS: 212 EAST VIRGINIA AVE
BESSEMER CITY NC

REV: 07/21/06
ID1: 12270
ID2:
STATUS: FOLLOW UP
PHONE:

CONTACT: JOEL GOODRICH (NOT RP)

CLOSE-OUT REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 3 **DIST/DIR:** 0.20 NW **ELEVATION:** 898 **MAP ID:** 10

NAME: ATLANTIC SPINNERS, INC./WandW SH	REV: 07/21/06
ADDRESS: 212 EAST VIRGINIA AVE	ID1: 12270
BESSEMER CITY NC	ID2:
	STATUS: FOLLOW UP
CONTACT: JOEL GOODRICH (NOT RP)	PHONE:

SITE INFORMATION

OWNER/OPERATOR: JOEL GOODRICH (NOT RP)
ATLANTIC SPINNERS
PO DRAWER 1240
BESSEMER CITY NC 28016

DATE OF RELEASE:
DATE SUBMITTED: 6/15/1994
DESCRIPTION OF INCIDENT: SOIL AND GW CONTAM. WAS ENCOUNTERED DURING PHASE II ENVIR. ASSESSMENT.

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?: Y
MAJOR SOIL CONTAMINATION?: N

MATERIAL INVOLVED (1): GASOLINE
AMOUNT LOST (1):
AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2): LEAD
AMOUNT LOST (2):
AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3): FUEL OIL
AMOUNT LOST (3):
AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0
NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?: L
SITE PRIORITY: 075D
PRIORITY CODE: L
PRIORITY UPDATE: 9/17/1998

STATUS INFORMATION:

LAST MODIFIED: 3/14/2002
INCIDENT PHASE: FOLLOW UP
NOV ISSUED: 3/5/2002
NORR ISSUED: 8/10/1998
45 DAY REPORT:
CORRECTIVE ACTION PLAN:
CLOSURE REQ DATE: 8/7/1998

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 21 **DIST/DIR:** 0.20 SE **ELEVATION:** 950 **MAP ID:** 9

NAME: DANALEX FACILITY
ADDRESS: 501 E. ALABAMA AVE
BESSEMER CITY NC

REV: 1/16/03
ID1: NCI-009482
ID2:
STATUS: RESPONSE
PHONE:

CONTACT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 21 **DIST/DIR:** 0.20 SE **ELEVATION:** 950 **MAP ID:** 9

NAME: DANALEX FACILITY
ADDRESS: 501 E. ALABAMA AVE
BESSEMER CITY NC

REV: 1/16/03
ID1: NCI-009482
ID2:
STATUS: RESPONSE
PHONE:

CONTACT:

OWNER/OPERATOR:

DATE OF RELEASE: 11/1/1991
DATE SUBMITTED: 11/19/1992
DESCRIPTION OF INCIDENT: SOIL BEARINGS BENEATH PLANT FLOOR SHOWED CONCENTRATIONS OF PCE ALONG WITH SEVERAL OTHER CHLORINATED and VOLATILE ORGANIC COMPOUNDS.

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?:

MAJOR SOIL CONTAMINATION?: Y

MATERIAL INVOLVED (1): PCE(TCE)

AMOUNT LOST (1):

AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2): BTEX

AMOUNT LOST (2):

AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):

AMOUNT LOST (3):

AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0

NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?: N

SITE PRIORITY: 60E

PRIORITY CODE: E

PRIORITY UPDATE:

STATUS INFORMATION:

LAST MODIFIED:

INCIDENT PHASE: ASSESSMENT

NOV ISSUED:

NORR ISSUED:

45 DAY REPORT:

CORRECTIVE ACTION PLAN:

CLOSURE REQ DATE:

CLOSE-OUT REPORT:

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 5 **DIST/DIR:** 0.20 SE **ELEVATION:** 950 **MAP ID:** 9

NAME: DANALEX FACILITY
ADDRESS: 501 EAST ALABAMA AVE
BESSEMER CITY NC

REV: 07/21/06
ID1: 9482
ID2:
STATUS: ASSESSMENT
PHONE:

CONTACT: CONTACT-WILLIAM BROWN, RP

CLOSURE REQ DATE:
CLOSE-OUT REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 5 **DIST/DIR:** 0.20 SE **ELEVATION:** 950 **MAP ID:** 9

NAME: DANALEX FACILITY
ADDRESS: 501 EAST ALABAMA AVE
BESSEMER CITY NC

REV: 07/21/06
ID1: 9482
ID2:
STATUS: ASSESSMENT
PHONE:

CONTACT: CONTACT-WILLIAM BROWN, RP

SITE INFORMATION

OWNER/OPERATOR: CONTACT-WILLIAM BROWN, RP
PARKER, POE, ADAMS and BERNSTEIN
2600 CHARLOTTE PLAZA
CHARLOTTE NC

DATE OF RELEASE: 7/2/1992

DATE SUBMITTED: 11/24/1992

DESCRIPTION OF INCIDENT: NOT CURRENTLY ON STATE SUPERFUND LIST. PCE IN SOIL; CONTACT FOR RP: WILLIAM BROWN; PARKER, POE, ADAMS and BERNSTEIN; 2600 CHARLOTTE PLAZA; CHARLOTTE, NC 28244.

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?: Y
MAJOR SOIL CONTAMINATION?: Y

MATERIAL INVOLVED (1): PCE(TCE)
AMOUNT LOST (1):
AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2): BTEX
AMOUNT LOST (2):
AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):
AMOUNT LOST (3):
AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0
NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?: N
SITE PRIORITY:
PRIORITY CODE: E
PRIORITY UPDATE:

STATUS INFORMATION:

LAST MODIFIED: 1/15/2002
INCIDENT PHASE: ASSESSMENT
NOV ISSUED:
NORR ISSUED:
45 DAY REPORT:
CORRECTIVE ACTION PLAN:

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 12	DIST/DIR: 0.14 NE	ELEVATION: 930	MAP ID: 8
NAME: BIG BILL S PLACE		REV: 8/8/08	
ADDRESS: 603 GASTONIA HIGHWAY		ID1: 0-020074	
BESSEMER CITY NC 28016		ID2:	
CONTACT:		STATUS:	
		PHONE: (704) 334-9825	
PETROLEUM TYPE:		PETROLEUM	
COMMERCIAL/NONCOMMERCIAL:		COMMERCIAL	
REGULATED:		REGULATED	
REGULATORY REQUIREMENT:			
VIOLATION:		6/12/2000	
PHASE REQUIRED:		2	
SITE PRIORITY:		10/E	
RISK:		1	
RISK OF INCIDENT:		1	
INTERMEDIATE CONDITION:		GROSS CONTAMINENT	
LAND USE:		IND	
CORRECTIVE ACTION PLAN:			
RBCA:			
CLOSED REVIEW REQUESTED:			
CASE CLOSED:			
CONTAMINATION:		GROUNDWATER/BOTH	
SUPPLY WELLS:		0	
MTBE IN WELL:			
MTBE IN GROUNDWATER:		YES	
LEAK DISCOVERED:		0	
LAND USE RESTRICTION FILED:			
CLEAN UP:		9/4/1996	
CURRENT STATUS:		CURRENT RECORD	
RBCA GROUNDWATER:			
POLLUTANT TYPE:		GASOLINE/DIESEL/KEROSENE	
CD NUMBER:		0	
RESPONSIBLE OWNER:		0	
RESPONSIBLE OPERATOR:		0	
RESPONSIBLE LANDOWNER:		0	
COMMENTS:		(RP Coord 35.283333 81.272222)	

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 12	DIST/DIR: 0.14 NE	ELEVATION: 930	MAP ID: 8
NAME: BIG BILL S PLACE ADDRESS: 603 GASTONIA HIGHWAY BESSEMER CITY NC 28016		REV: 8/8/08 ID1: 0-020074 ID2: STATUS: PHONE: (704) 334-9825	
CONTACT:			
PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:			
TANK NUMBER: 3 TANK CERT NUMBER: 1997081160 INSTALLATION DATE: 5/13/1966 TANK LAST USED: TANK CLOSED: 6/3/1998 STATUS: PERMANENTLY CLOSED CONTENTS: GASOLINE, GASOLINE MIXTURE CAPACITY IN GALLONS: 3000 COMMENTS: CONSTRUCTION MATERIAL: STEEL INTERIOR: UNKNOWN EXTERIOR: UNKNOWN CORROSION PROTECTION: NONE LEAK DETECTION: PERIODIC TANK TIGHTNESS TESTING PIPING MATERIAL: UNKNOWN PIPE CORROSION PROTECTION: NONE PIPE LEAK DETECTION: OVERFLOW PROTECTION: NONE FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:			
<u>REGIONAL UST DATA</u>			
UST NUMBER: MO-4860 INCIDENT NUMBER: 16417 CD NUMBER: 0 REEL NUMBER: 0 REGIONAL CONTACT: BCN REGIONAL OFFICE: MOR DATE OCCURRED: 9/4/1996			
<u>RESPONSIBLE COMPANY:</u>			
SOUTHLAND OIL COMPANY 220 NORTH BREVARD STREET CHARLOTTE ,NC , 28202			
SOURCE: LEAK, UST			

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Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 12 **DIST/DIR:** 0.14 NE **ELEVATION:** 930 **MAP ID:** 8

NAME: BIG BILL S PLACE
ADDRESS: 603 GASTONIA HIGHWAY
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: 0-020074
ID2:
STATUS:
PHONE: (704) 334-9825

CONTACT:

SITE INFORMATION

TOTAL NUMBER OF TANKS: 3

OWNER INFORMATION: SOUTHLAND OIL COMPANY
220 NORTH BREVARD STREET
CHARLOTTE NC 28202

PHONE: (704) 334-9825

TANK NUMBER: 1
TANK CERT NUMBER: 1997081160
INSTALLATION DATE: 5/13/1966
TANK LAST USED:
TANK CLOSED: 6/3/1998
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: UNKNOWN
EXTERIOR: UNKNOWN
CORROSION PROTECTION: NONE
LEAK DETECTION: PERIODIC TANK TIGHTNESS TESTING
PIPING MATERIAL: UNKNOWN
PIPE CORROSION PROTECTION: NONE
PIPE LEAK DETECTION:
OVERFLOW PROTECTION: NONE
FINANCIAL RESPONSIBILITY:
CERTIFICATION TYPE:
GPS SITING CONFIRMED: N
PERSON CONFIRMING:

TANK NUMBER: 2
TANK CERT NUMBER: 1996115300
INSTALLATION DATE: 5/13/1966
TANK LAST USED:
TANK CLOSED: 4/9/1996
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: UNKNOWN
EXTERIOR: UNKNOWN
CORROSION PROTECTION:
LEAK DETECTION:
PIPING MATERIAL: UNKNOWN

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 4	DIST/DIR: 0.14 NE	ELEVATION: 930	MAP ID: 8
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NAME: BIG BILL S PLACE, FORMER
ADDRESS: 603 GASTONIA HWY
BESSEMER CITY NC

REV: 07/21/06
ID1: 16417
ID2:
STATUS: FOLLOW UP
PHONE: 704-334-9825

CONTACT: JAN YANDLE

CLOSURE REQ DATE:
CLOSE-OUT REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 4 **DIST/DIR:** 0.14 NE **ELEVATION:** 930 **MAP ID:** 8

NAME: BIG BILL S PLACE, FORMER
ADDRESS: 603 GASTONIA HWY
BESSEMER CITY NC

REV: 07/21/06
ID1: 16417
ID2:
STATUS: FOLLOW UP
PHONE: 704-334-9825

CONTACT: JAN YANDLE

SITE INFORMATION

OWNER/OPERATOR: JAN YANDLE
SOUTHLAND OIL COMPANY
220 NORTH BREVARD STREET
CHARLOTTE NC 28202

DATE OF RELEASE: 9/4/1996

DATE SUBMITTED: 10/25/1996

DESCRIPTION OF INCIDENT: MINOR SOIL CONTAM. DISCOVERED UNDER PUMP ISLAND UPON IN PLACE CLOSURE OF
ON 4,000GAL GASOLINE TANK. CONTAIN LEVELS 192 PPM 5030

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?: Y

MAJOR SOIL CONTAMINATION?: N

MATERIAL INVOLVED (1): GASOLINE

AMOUNT LOST (1):

AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2):

AMOUNT LOST (2):

AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):

AMOUNT LOST (3):

AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0

NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?: I

SITE PRIORITY: 10/E

PRIORITY CODE: I

PRIORITY UPDATE: 11/6/1998

STATUS INFORMATION:

LAST MODIFIED: 7/24/2000

INCIDENT PHASE: FOLLOW UP

NOV ISSUED: 2/1/2001

NORR ISSUED: 10/23/1998

45 DAY REPORT:

CORRECTIVE ACTION PLAN:

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST			
SEARCH ID: 20	DIST/DIR: 0.14 NE	ELEVATION: 930	MAP ID: 8
NAME: BIG BILL S PLACE, FORMER		REV: 8/8/08	
ADDRESS: 603 GASTONIA HWY		ID1: NCI-016417	
BESSEMER CITY NC 28016		ID2: 16417	
CONTACT: JAN YANDLE		STATUS: FOLLOW UP	
		PHONE: 704-334-9825	
RESPONSIBLE LANDOWNER:		0	
COMMENTS:		(RP Coord 35.283333 81.272222)	

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 20 **DIST/DIR:** 0.14 NE **ELEVATION:** 930 **MAP ID:** 8

NAME: BIG BILL S PLACE, FORMER
ADDRESS: 603 GASTONIA HWY
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-016417
ID2: 16417
STATUS: FOLLOW UP
PHONE: 704-334-9825

CONTACT: JAN YANDLE

REGIONAL UST DATA

UST NUMBER: MO-4860
INCIDENT NUMBER: 16417
CD NUMBER: 0
REEL NUMBER: 0
REGIONAL CONTACT: BCN
REGIONAL OFFICE: MOR
DATE OCCURRED: 9/4/1996

RESPONSIBLE COMPANY:

SOUTHLAND OIL COMPANY
220 NORTH BREVARD STREET
CHARLOTTE ,NC , 28202

SOURCE: LEAK, UST
PETROLEUM TYPE: PETROLEUM
COMMERCIAL/NONCOMMERCIAL: COMMERCIAL
REGULATED: REGULATED
REGULATORY REQUIREMENT:
VIOLATION: 6/12/2000

PHASE REQUIRED: 2
SITE PRIORITY: 10/E
RISK: I
RISK OF INCIDENT: I
INTERMEDIATE CONDITION: GROSS CONTAMINENT
LAND USE: IND

CORRECTIVE ACTION PLAN:

RBCA:
CLOSED REVIEW REQUESTED:
CASE CLOSED:
CONTAMINATION: GROUNDWATER/BOTH
SUPPLY WELLS: 0
MTBE IN WELL:
MTBE IN GROUNDWATER: YES
LEAK DISCOVERED: 0
LAND USE RESTRICTION FILED:
CLEAN UP: 9/4/1996
CURRENT STATUS: CURRENT RECORD

RBCA GROUNDWATER:
POLLUTANT TYPE: GASOLINE/DIESEL/KEROSENE
CD NUMBER: 0
RESPONSIBLE OWNER: 0
RESPONSIBLE OPERATOR: 0

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

ERNS

SEARCH ID: 1 **DIST/DIR:** 0.14 SE **ELEVATION:** 912 **MAP ID:**

NAME: DANALEX
ADDRESS: 515 EAST ALABAMA AVE
BESSEMER CITY NC 28016

REV: 7/28/95
ID1: 452922
ID2:
STATUS: FIXED FACILITY
PHONE:

CONTACT:

SPILL INFORMATION

DATE OF SPILL: 7/28/95 **TIME OF SPILL:** 1000

PRODUCT RELEASED (1): UNKNOWN MATERIAL
QUANTITY (1): 0
UNITS (1): UNK

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	YES	FIXED FACILITY:	NO
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:		OATES CREEK	

CAUSE OF RELEASE

DUMPING:	NO	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	YES
UNKNOWN:	NO		

ACTIONS TAKEN: NONE

RELEASE DETECTION: CALLER STATES THAT THE CREEK BEHIND HIS PROPERTY IS POLLUTED FROM A TEXTILE DYE COMPANY

MISC. NOTES: WILL NOTIFY:CHEMTREC,911,

DISCHARGER INFORMATION

DISCHARGER ID: 452922
TYPE OF DISCHARGER: PRIVATE ENTERPRISE
NAME OF DISCHARGER: DANALEX
ADDRESS: EAST ALABAMA AVE
BESSEMER CITY NC 28016

DUN and BRADSTREET :

Environmental FirstSearch *Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 9 **DIST/DIR:** 0.14 NW **ELEVATION:** 905 **MAP ID:** 6

NAME:	BESSEMER CITY CENTRAL SCHOOL	REV:	8/8/08
ADDRESS:	317 EAST WASHINGTON AVE BESSEMER CITY NC 28016	ID1:	0-031072
		ID2:	
CONTACT:		STATUS:	
		PHONE:	(704) 866-6143

SITE INFORMATION

TOTAL NUMBER OF TANKS:	1
OWNER INFORMATION:	GASTON COUNTY SCHOOLS PO BOX 1397-J HARRELSON-MAINT GASTONIA NC 28053
PHONE:	(704) 866-6159
TANK NUMBER:	1
TANK CERT NUMBER:	2000048890
INSTALLATION DATE:	1/1/1964
TANK LAST USED:	
TANK CLOSED:	
STATUS:	CURRENTLY OPERATIONAL
CONTENTS:	HEATING OIL/FUEL
CAPACITY IN GALLONS:	20000
COMMENTS:	
CONSTRUCTION MATERIAL:	UNKNOWN
INTERIOR:	UNKNOWN
EXTERIOR:	UNKNOWN
CORROSION PROTECTION:	
LEAK DETECTION:	
PIPING MATERIAL:	UNKNOWN
PIPE CORROSION PROTECTION:	
PIPE LEAK DETECTION:	
OVERFLOW PROTECTION:	
FINANCIAL RESPONSIBILITY:	
CERTIFICATION TYPE:	
GPS SITING CONFIRMED:	Y
PERSON CONFIRMING:	TNB

***Environmental FirstSearch
Site Detail Report***

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST			
SEARCH ID: 23	DIST/DIR: 0.13 NE	ELEVATION: 925	MAP ID: 5
NAME: LITTLE DAN S GROCERY		REV: 8/8/08	
ADDRESS: 615 GASTONIA HWY		ID1: NCI-036522	
BESSEMER CITY NC		ID2: 36522	
GASTON		STATUS: CURRENT RECORD	
CONTACT: DAN BOLING		PHONE:	
RESPONSIBLE LANDOWNER: 0			
COMMENTS:			

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 23 **DIST/DIR:** 0.13 NE **ELEVATION:** 925 **MAP ID:** 5

NAME: LITTLE DAN S GROCERY ADDRESS: 615 GASTONIA HWY BESSEMER CITY NC GASTON CONTACT: DAN BOLING	REV: 8/8/08 ID1: NCI-036522 ID2: 36522 STATUS: CURRENT RECORD PHONE:
---	---

REGIONAL UST DATA

UST NUMBER: INCIDENT NUMBER: CD NUMBER: REEL NUMBER: REGIONAL CONTACT: REGIONAL OFFICE: DATE OCCURRED:	MO-7909 36522 0 0 BCN MOR 6/20/2008
---	---

RESPONSIBLE COMPANY:

206 WEST MAINE AVENUE
BESSEMER CITY ,NC , 28016

SOURCE: PETROLEUM TYPE: COMMERCIAL/NONCOMMERCIAL: REGULATED: REGULATORY REQUIREMENT: VIOLATION:	LEAK, UST PETROLEUM COMMERCIAL REGULATED
--	---

PHASE REQUIRED:
SITE PRIORITY:
RISK:
RISK OF INCIDENT:
INTERMEDIATE CONDITION:
LAND USE:

CORRECTIVE ACTION PLAN:

RBCA:
CLOSED REVIEW REQUESTED:

CASE CLOSED:

CONTAMINATION: SUPPLY WELLS: MTBE IN WELL: MTBE IN GROUNDWATER:	SOIL 0 0 UNKNOWN
--	---------------------------

LEAK DISCOVERED: LAND USE RESTRICTION FILED: CLEAN UP: CURRENT STATUS:	0 CURRENT RECORD
---	-----------------------------

RBCA GROUNDWATER: POLLUTANT TYPE: CD NUMBER: RESPONSIBLE OWNER: RESPONSIBLE OPERATOR:	GASOLINE/DIESEL/KEROSENE 0 -1 0
--	--

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 14	DIST/DIR: 0.13 NE	ELEVATION: 948	MAP ID: 5
NAME: LITTLE DANS GRO		REV: 8/8/08	
ADDRESS: 615 GASTONIA HWY		ID1: 0-000459	
BESSEMER CITY NC 28092		ID2:	
GASTON		STATUS:	
CONTACT:		PHONE: (704) 629-6469	
RBCA GROUNDWATER:			
POLLUTANT TYPE:		GASOLINE/DIESEL/KEROSENE	
CD NUMBER:		0	
RESPONSIBLE OWNER:		-1	
RESPONSIBLE OPERATOR:		0	
RESPONSIBLE LANDOWNER:		0	
COMMENTS:			

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 14	DIST/DIR: 0.13 NE	ELEVATION: 948	MAP ID: 5
NAME: LITTLE DANS GRO ADDRESS: 615 GASTONIA HWY BESSEMER CITY NC 28092 GASTON		REV: 8/8/08 ID1: 0-000459 ID2: STATUS: PHONE: (704) 629-6469	
CONTACT:			
FINANCIAL RESPONSIBILITY:		STATE FUNDS	
CERTIFICATION TYPE:		INSTALLATION INSPECTED AND CERTIFIED BY A REGISTERED ENGINEER	
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
<u>REGIONAL UST DATA</u>			
UST NUMBER:		MO-7909	
INCIDENT NUMBER:		36522	
CD NUMBER:		0	
REEL NUMBER:		0	
REGIONAL CONTACT:		BCN	
REGIONAL OFFICE:		MOR	
DATE OCCURRED:		6/20/2008	
<u>RESPONSIBLE COMPANY:</u>			
		206 WEST MAINE AVENUE BESSEMER CITY ,NC , 28016	
SOURCE:		LEAK, UST	
PETROLEUM TYPE:		PETROLEUM	
COMMERCIAL/NONCOMMERCIAL:		COMMERCIAL	
REGULATED:		REGULATED	
REGULATORY REQUIREMENT:			
VIOLATION:			
PHASE REQUIRED:			
SITE PRIORITY:			
RISK:			
RISK OF INCIDENT:			
INTERMEDIATE CONDITION:			
LAND USE:			
CORRECTIVE ACTION PLAN:			
RBCA:			
CLOSED REVIEW REQUESTED:			
CASE CLOSED:			
CONTAMINATION:		SOIL	
SUPPLY WELLS:		0	
MTBE IN WELL:		0	
MTBE IN GROUNDWATER:		UNKNOWN	
LEAK DISCOVERED:		0	
LAND USE RESTRICTION FILED:			
CLEAN UP:			
CURRENT STATUS:		CURRENT RECORD	

- Continued on next page -

Environmental FirstSearch **Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST	
SEARCH ID: 14	DIST/DIR: 0.13 NE ELEVATION: 948 MAP ID: 5
NAME: LITTLE DANS GRO ADDRESS: 615 GASTONIA HWY BESSEMER CITY NC 28092 GASTON CONTACT:	REV: 8/8/08 ID1: 0-000459 ID2: STATUS: PHONE: (704) 629-6469
PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: PERSON CONFIRMING:	IMPRESSED CURRENT OTHER CATCHMENT BASIN STATE FUNDS INSTALLATION INSPECTED AND CERTIFIED BY A REGISTERED ENGINEER N
TANK NUMBER: TANK CERT NUMBER: INSTALLATION DATE: TANK LAST USED: TANK CLOSED: STATUS: CONTENTS: CAPACITY IN GALLONS: COMMENTS: CONSTRUCTION MATERIAL: INTERIOR: EXTERIOR: CORROSION PROTECTION: LEAK DETECTION: PIPING MATERIAL: PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: PERSON CONFIRMING:	003 2007071810 4/24/1973 CURRENTLY OPERATIONAL DIESEL, DIESEL MIXTURE 3000 STEEL NONE CATHODIC PROTECTION IMPRESSED CURRENT OTHER CATHODIC PROTECTION IMPRESSED CURRENT OTHER CATCHMENT BASIN STATE FUNDS INSTALLATION INSPECTED AND CERTIFIED BY A REGISTERED ENGINEER N
TANK NUMBER: TANK CERT NUMBER: INSTALLATION DATE: TANK LAST USED: TANK CLOSED: STATUS: CONTENTS: CAPACITY IN GALLONS: COMMENTS: CONSTRUCTION MATERIAL: INTERIOR: EXTERIOR: CORROSION PROTECTION: LEAK DETECTION: PIPING MATERIAL: PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: OVERFLOW PROTECTION:	004 2007071810 4/24/1973 CURRENTLY OPERATIONAL GASOLINE, GASOLINE MIXTURE 3000 STEEL NONE CATHODIC PROTECTION IMPRESSED CURRENT OTHER CATHODIC PROTECTION IMPRESSED CURRENT OTHER CATCHMENT BASIN

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 14 **DIST/DIR:** 0.13 NE **ELEVATION:** 948 **MAP ID:** 5

NAME: LITTLE DANS GRO
ADDRESS: 615 GASTONIA HWY
BESSEMER CITY NC 28092
GASTON

REV: 8/8/08
ID1: 0-000459
ID2:
STATUS:
PHONE: (704) 629-6469

CONTACT:

SITE INFORMATION

TOTAL NUMBER OF TANKS: 4

OWNER INFORMATION: DANNY BOLING
206 W MAINE AVE
BESSEMER CITY NC 28016

PHONE: (704) 629-4771

TANK NUMBER: 001
TANK CERT NUMBER: 2007071810
INSTALLATION DATE: 4/23/1976
TANK LAST USED:
TANK CLOSED:
STATUS: CURRENTLY OPERATIONAL
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 6000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: NONE
EXTERIOR: CATHODIC PROTECTION
CORROSION PROTECTION: IMPRESSED CURRENT
LEAK DETECTION: OTHER
PIPING MATERIAL: CATHODIC PROTECTION
PIPE CORROSION PROTECTION: IMPRESSED CURRENT
PIPE LEAK DETECTION: OTHER
OVERFLOW PROTECTION: CATCHMENT BASIN
FINANCIAL RESPONSIBILITY: STATE FUNDS
CERTIFICATION TYPE: INSTALLATION INSPECTED AND CERTIFIED BY A REGISTERED ENGINEER
GPS SITING CONFIRMED: N
PERSON CONFIRMING:

TANK NUMBER: 002
TANK CERT NUMBER: 2007071810
INSTALLATION DATE: 4/24/1973
TANK LAST USED:
TANK CLOSED:
STATUS: CURRENTLY OPERATIONAL
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: NONE
EXTERIOR: CATHODIC PROTECTION
CORROSION PROTECTION: IMPRESSED CURRENT
LEAK DETECTION: OTHER
PIPING MATERIAL: CATHODIC PROTECTION

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

STATE			
SEARCH ID: 2	DIST/DIR: 0.12 SW	ELEVATION: 903	MAP ID: 4
NAME: DANALEX FACILITY		REV: 7/11/08	
ADDRESS: 501 EAST ALABAMA AVE		ID1: NONCD0001587	
BESSEMER CITY NC		ID2:	
GASTON		STATUS: ACTIVE	
CONTACT:		PHONE:	
DETAILS NOT AVAILABLE			

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 8 **DIST/DIR:** 0.07 NW **ELEVATION:** 898 **MAP ID:** 3

NAME: VIRGINIA AVENUE
ADDRESS: EAST VIRGINIA AVE
BESSEMER CITY NC
GASTO

REV: 07/21/06
ID1: 86024
ID2:
STATUS: DI
PHONE:

CONTACT: UNKNOWN,

CLOSURE REQ DATE:
CLOSE-OUT REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 8 **DIST/DIR:** 0.07 NW **ELEVATION:** 898 **MAP ID:** 3

NAME: VIRGINIA AVENUE
ADDRESS: EAST VIRGINIA AVE
BESSEMER CITY NC
GASTO

REV: 07/21/06
ID1: 86024
ID2:
STATUS: DI
PHONE:

CONTACT: UNKNOWN,

SITE INFORMATION

OWNER/OPERATOR: UNKNOWN,

NC

DATE OF RELEASE: 12/17/2001

DATE SUBMITTED: 1/7/2002

DESCRIPTION OF INCIDENT: DURING INVESTIGATION WandW SHELL(UST 12270), SOIL MWS CAME BACK W/
ASSORTED PETROLEUM COMOPUNDS AT 5 FT DEPTH, SAMPLES BELOW WERE ND. THIS IS ACROSS THE STREE

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?: NOD

MAJOR SOIL CONTAMINATION?:

MATERIAL INVOLVED (1):

AMOUNT LOST (1):

AMOUNT RECOVERED (1):

MATERIAL INVOLVED (2):

AMOUNT LOST (2):

AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):

AMOUNT LOST (3):

AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0

NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?:

SITE PRIORITY:

PRIORITY CODE: E

PRIORITY UPDATE:

STATUS INFORMATION:

LAST MODIFIED: 10/6/2005

INCIDENT PHASE: DI

NOV ISSUED:

NORR ISSUED:

45 DAY REPORT:

CORRECTIVE ACTION PLAN:

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 16	DIST/DIR: 0.04 SW	ELEVATION: 898	MAP ID: 2
NAME: PREV OPER BY TONY'S SERVICE CT		REV: 8/8/08	
ADDRESS: 422 EAST VIRGINIA AVE BESSEMER CITY NC 28016		ID1: 0-012689	
		ID2:	
CONTACT:		STATUS:	
		PHONE: (704) 629-5681	
REGULATORY REQUIREMENT:			
VIOLATION:			
PHASE REQUIRED:			
SITE PRIORITY:	30/E		
RISK:	U		
RISK OF INCIDENT:	H		
INTERMEDIATE CONDITION:			
LAND USE:			
CORRECTIVE ACTION PLAN:			
RBCA:			
CLOSED REVIEW REQUESTED:			
CASE CLOSED:			
CONTAMINATION:	SOIL		
SUPPLY WELLS:	0		
MTBE IN WELL:			
MTBE IN GROUNDWATER:	UNKNOWN		
LEAK DISCOVERED:	0		
LAND USE RESTRICTION FILED:			
CLEAN UP:	11/10/1997		
CURRENT STATUS:	CURRENT RECORD		
RBCA GROUNDWATER:			
POLLUTANT TYPE:	GASOLINE/DIESEL/KEROSENE		
CD NUMBER:	0		
RESPONSIBLE OWNER:	0		
RESPONSIBLE OPERATOR:	0		
RESPONSIBLE LANDOWNER:	0		
COMMENTS: NHR 3/23/05. - BCN - NO WATER SUPPLY WELLS OBSERVED WITHIN 1000 OF SITE DURING WINDSHIELD RECEPTOR SURVEY CONDUCTED ON 3/23/05. - BCN			

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 16	DIST/DIR: 0.04 SW	ELEVATION: 898	MAP ID: 2
NAME: PREV OPER BY TONY'S SERVICE CT		REV: 8/8/08	
ADDRESS: 422 EAST VIRGINIA AVE BESSEMER CITY NC 28016		ID1: 0-012689	
		ID2:	
CONTACT:		STATUS:	
		PHONE: (704) 629-5681	
FINANCIAL RESPONSIBILITY:			
CERTIFICATION TYPE:			
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
TANK NUMBER:		5	
TANK CERT NUMBER:		1998079510	
INSTALLATION DATE:		10/5/1966	
TANK LAST USED:		12/21/1998	
TANK CLOSED:			
STATUS:		TEMPORARILY CLOSED	
CONTENTS:		OIL, NEW/USED/MIXTURE	
CAPACITY IN GALLONS:		550	
COMMENTS:		CONV ON SITE HTG	
CONSTRUCTION MATERIAL:		UNKNOWN	
INTERIOR:		UNKNOWN	
EXTERIOR:		UNKNOWN	
CORROSION PROTECTION:			
LEAK DETECTION:		MANUAL TANK GAUGING	
PIPING MATERIAL:		UNKNOWN	
PIPE CORROSION PROTECTION:			
PIPE LEAK DETECTION:		EXEMPT UNDER 280.41 (B) (2) (I) - (V) (PIPING ONLY)	
OVERFLOW PROTECTION:			
FINANCIAL RESPONSIBILITY:			
CERTIFICATION TYPE:			
GPS SITING CONFIRMED:		N	
PERSON CONFIRMING:			
REGIONAL UST DATA			
UST NUMBER:		MO-5236	
INCIDENT NUMBER:		18088	
CD NUMBER:		0	
REEL NUMBER:		0	
REGIONAL CONTACT:		FTF	
REGIONAL OFFICE:		MOR	
DATE OCCURRED:		11/10/1997	
RESPONSIBLE COMPANY:			
PATTERSON OIL COMPANY 2714 SEABROOK RD JOHNS ISLAND ,SC , 29455			
SOURCE:		LEAK, UST	
PETROLEUM TYPE:		PETROLEUM	
COMMERCIAL/NONCOMMERCIAL:		COMMERCIAL	
REGULATED:		REGULATED	

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST			
SEARCH ID: 16	DIST/DIR: 0.04 SW	ELEVATION: 898	MAP ID: 2
NAME: PREV OPER BY TONY'S SERVICE CT ADDRESS: 422 EAST VIRGINIA AVE BESSEMER CITY NC 28016		REV: 8/8/08 ID1: 0-012689 ID2: STATUS: PHONE: (704) 629-5681	
CONTACT:			
PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:			
TANK NUMBER: 3 TANK CERT NUMBER: 1997078130 INSTALLATION DATE: 10/5/1966 TANK LAST USED: TANK CLOSED: 4/11/1997 STATUS: PERMANENTLY CLOSED CONTENTS: GASOLINE, GASOLINE MIXTURE CAPACITY IN GALLONS: 2000 COMMENTS: CONSTRUCTION MATERIAL: STEEL INTERIOR: STEEL EXTERIOR: STEEL CORROSION PROTECTION: LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION PIPING MATERIAL: STEEL PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION OVERFLOW PROTECTION: FINANCIAL RESPONSIBILITY: CERTIFICATION TYPE: GPS SITING CONFIRMED: N PERSON CONFIRMING:			
TANK NUMBER: 4 TANK CERT NUMBER: 1998079510 INSTALLATION DATE: 10/5/1966 TANK LAST USED: 12/21/1998 TANK CLOSED: STATUS: TEMPORARILY CLOSED CONTENTS: KEROSENE, KEROSENE MIXTURE CAPACITY IN GALLONS: 550 COMMENTS: CONV HTG ON SITE CONSTRUCTION MATERIAL: STEEL INTERIOR: STEEL EXTERIOR: STEEL CORROSION PROTECTION: LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION PIPING MATERIAL: STEEL PIPE CORROSION PROTECTION: PIPE LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION OVERFLOW PROTECTION:			

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

UST

SEARCH ID: 16 **DIST/DIR:** 0.04 SW **ELEVATION:** 898 **MAP ID:** 2

NAME: PREV OPER BY TONY'S SERVICE CT	REV: 8/8/08
ADDRESS: 422 EAST VIRGINIA AVE	ID1: 0-012689
BESSEMER CITY NC 28016	ID2:
	STATUS:
CONTACT:	PHONE: (704) 629-5681

SITE INFORMATION

TOTAL NUMBER OF TANKS: 5

OWNER INFORMATION: PATTERSON OIL C/O PAT CHESHIRE
113 S EDMONT AVENUE
GASTONIA NC 28054

PHONE: (000) 000-0000

TANK NUMBER: 1
TANK CERT NUMBER: 1997078130
INSTALLATION DATE: 10/5/1966
TANK LAST USED:
TANK CLOSED: 4/11/1997
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: STEEL
EXTERIOR: STEEL
CORROSION PROTECTION:
LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION
PIPING MATERIAL: STEEL
PIPE CORROSION PROTECTION:
PIPE LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION
OVERFLOW PROTECTION:
FINANCIAL RESPONSIBILITY:
CERTIFICATION TYPE:
GPS SITING CONFIRMED: N
PERSON CONFIRMING:

TANK NUMBER: 2
TANK CERT NUMBER: 1997078130
INSTALLATION DATE: 10/5/1966
TANK LAST USED:
TANK CLOSED: 4/11/1997
STATUS: PERMANENTLY CLOSED
CONTENTS: GASOLINE, GASOLINE MIXTURE
CAPACITY IN GALLONS: 4000
COMMENTS:
CONSTRUCTION MATERIAL: STEEL
INTERIOR: STEEL
EXTERIOR: STEEL
CORROSION PROTECTION:
LEAK DETECTION: STATISTICAL INVENTORY RECONCILIATION
PIPING MATERIAL: STEEL

- Continued on next page -

*Environmental FirstSearch
Site Detail Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 25	DIST/DIR: 0.03 SW	ELEVATION: 898	MAP ID:
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NAME: TONY S SERVICE CENTER
ADDRESS: 422 EAST VIRGINIA AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-018088
ID2: 18088
STATUS: FOLLOW UP
PHONE: 843-768-2026

CONTACT: PAT CHESHIRE

RESPONSIBLE LANDOWNER: 0
COMMENTS: NHR 3/23/05. - BCN - NO WATER SUPPLY WELLS OBSERVED WITHIN 1000 OF
SITE DURING WINDSHIELD RECEPTOR SURVEY CONDUCTED ON 3/23/05. - BCN

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

LUST

SEARCH ID: 25 **DIST/DIR:** 0.03 SW **ELEVATION:** 898 **MAP ID:**

NAME: TONY S SERVICE CENTER
ADDRESS: 422 EAST VIRGINIA AVE
BESSEMER CITY NC 28016

REV: 8/8/08
ID1: NCI-018088
ID2: 18088
STATUS: FOLLOW UP
PHONE: 843-768-2026

CONTACT: PAT CHESHIRE

REGIONAL UST DATA

UST NUMBER: MO-5236
INCIDENT NUMBER: 18088
CD NUMBER: 0
REEL NUMBER: 0
REGIONAL CONTACT: FTF
REGIONAL OFFICE: MOR
DATE OCCURRED: 11/10/1997

RESPONSIBLE COMPANY:

PATTERSON OIL COMPANY
2714 SEABROOK RD
JOHNS ISLAND ,SC , 29455

SOURCE: LEAK, UST
PETROLEUM TYPE: PETROLEUM
COMMERCIAL/NONCOMMERCIAL: COMMERCIAL
REGULATED: REGULATED
REGULATORY REQUIREMENT:
VIOLATION:

PHASE REQUIRED:
SITE PRIORITY: 30/E
RISK: U
RISK OF INCIDENT: H
INTERMEDIATE CONDITION:
LAND USE:

CORRECTIVE ACTION PLAN:
RBCA:
CLOSED REVIEW REQUESTED:

CASE CLOSED:
CONTAMINATION: SOIL
SUPPLY WELLS: 0
MTBE IN WELL:
MTBE IN GROUNDWATER: UNKNOWN

LEAK DISCOVERED: 0
LAND USE RESTRICTION FILED:
CLEAN UP: 11/10/1997
CURRENT STATUS: CURRENT RECORD

RBCA GROUNDWATER:
POLLUTANT TYPE: GASOLINE/DIESEL/KEROSENE
CD NUMBER: 0
RESPONSIBLE OWNER: 0
RESPONSIBLE OPERATOR: 0

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 7	DIST/DIR: 0.03 SW	ELEVATION: 898	MAP ID:
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NAME: TONY S SERVICE CENTER
ADDRESS: 422 EAST VIRGINIA AVE
BESSEMER CITY NC

REV: 07/21/06
ID1: 18088
ID2:
STATUS: FOLLOW UP
PHONE: 843-768-2026

CONTACT: PAT CHESHIRE

CLOSE-OUT REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

SPILLS

SEARCH ID: 7 **DIST/DIR:** 0.03 SW **ELEVATION:** 898 **MAP ID:**

NAME: TONY S SERVICE CENTER
ADDRESS: 422 EAST VIRGINIA AVE
BESSEMER CITY NC

REV: 07/21/06
ID1: 18088
ID2:
STATUS: FOLLOW UP
PHONE: 843-768-2026

CONTACT: PAT CHESHIRE

SITE INFORMATION

OWNER/OPERATOR: PAT CHESHIRE
PATTERSON OIL COMPANY
2714 SEABROOK RD
JOHNS ISLAND SC 29455

DATE OF RELEASE: 11/10/1997
DATE SUBMITTED: 12/16/1997
DESCRIPTION OF INCIDENT: DURING CLOSURE, PETRO CONTAMINATION SOIL DOCUMENTED 5030=7700 PPM

CONTAMINATION INFORMATION

GROUNDWATER CONTAMINATED?: N
MAJOR SOIL CONTAMINATION?: Y

MATERIAL INVOLVED (1): GASOLINE
AMOUNT LOST (1):
AMOUNT RECOVERED (1): NONE

MATERIAL INVOLVED (2):
AMOUNT LOST (2):
AMOUNT RECOVERED (2):

MATERIAL INVOLVED (3):
AMOUNT LOST (3):
AMOUNT RECOVERED (3):

NUMBER OF WELLS AFFECTED: 0
NAME(S) OF CONTAMINATED WELLS:

PRIORITY INFORMATION:

RISK SITE?: U
SITE PRIORITY: 30E
PRIORITY CODE: E
PRIORITY UPDATE:

STATUS INFORMATION:

LAST MODIFIED: 4/5/2001
INCIDENT PHASE: FOLLOW UP
NOV ISSUED: 3/8/2001
NORR ISSUED:
45 DAY REPORT:
CORRECTIVE ACTION PLAN:
CLOSURE REQ DATE:

- Continued on next page -

Environmental FirstSearch *Sites Summary Report*

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

TOTAL: 41 **GEOCODED:** 25 **NON GEOCODED:** 16 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No
	LUST	SILVER CONVENIENCE CENTER PROPERTY NCI-008174/CURRENT RECORD	0 NC 174 and MAINE AVE BESSEMER CITY NC 28016	NON GC	N/A	N/A
	NFRAP	BESSEMER CITY OAKS CREEK WWTP NCD991279126/NFRAP-N	B ST BESSEMER CITY NC 28016	NON GC	N/A	N/A
	LUST	PAYNE PROPERTY NCI-036330/CURRENT RECORD	NC 274 and HOLLAND MEMORIAL GASTONIA NC 28016	NON GC	N/A	N/A
	LUST	KEN S BARBEQUE NCI-027442	BESSEMER CITY BESSEMER CITY NC 28016	NON GC	N/A	N/A
	STATE	BEAM CONSTRUCTION CO NONCD0001327/ACTIVE	BESS FACILITY ROAD BESSEMER CITY NC 28016	NON GC	N/A	N/A
	LUST	FARRIS PROPERTY NCI-003857/CLOSED OUT	0 RT. 1 BOX 181 BESSEMER CITY NC 28016	NON GC	N/A	N/A
	UST	HALLMAN-BEAM MINE 0-016944	S.R. 1442 BESSEMER CITY NC 28016	NON GC	N/A	N/A
	LUST	BESSEMER CITY ROAD PCE SITE NCI-020674/RESPONSE	BESSEMER CITY ROAD BESSEMER CITY NC 28016	NON GC	N/A	N/A
	STATE	BESSEMER CITY OAKS CREEK WWTP NCD991279126/NFA	SOUTH 11TH EXT BESSEMER CITY NC 28016	NON GC	N/A	N/A
	UST	PAYNE PROPERTY MO-7698	NC 274 and HOLLAND MEMORIAL GASTONIA NC 28016	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTACT I BIA-28016	UNKNOWN NC 28016	NON GC	N/A	N/A
	STATE	BESSEMER CITY ROAD PCE SITE NONCD0001344/ACTIVE	BESSEMER CITY ROAD BESSEMER CITY NC 28016	NON GC	N/A	N/A
	NFRAP	WARNER and SWASEY TEX MCH CO NCD070626197/NFRAP-N	HIGHWAY 274 BESSEMER CITY NC 28016	NON GC	N/A	N/A
	UST	GASTONIA R.T. 0-015456	SR 1456 BESSEMER CITY NC 28016	NON GC	N/A	N/A
	UST	BOB and SHIRLEY MINI MART MO-274	HWY 161 AND ALABAMA BESSEMER CITY NC 28016	NON GC	N/A	N/A
	LUST	BOB and SHIRLEY MINI MART NCI-027452	HWY 161 AND ALABAMA BESSEMER CITY NC 28016	NON GC	N/A	N/A

Environmental FirstSearch
Sites Summary Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

TOTAL: 41 **GEOCODED:** 25 **NON GEOCODED:** 16 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No
14	LUST	JAMES SUPERETTE NCI-027450	621 ATHENIA PLC BESSEMER CITY NC 28016	0.25 SE	+ 9	45
14	UST	JAMES SUPERETTE MO-1319	621 ATHENIA PLC BESSEMER CITY NC 28016	0.25 SE	+ 9	47
15	LUST	SUPERIOR PLASTICS, INC. NCI-036020	209 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.36 NW	- 29	49
16	LUST	BESSEMER CITY GARAGE FACILITY NCI-010056/REMEDIAL ACTION IMPL	321 EAST LEE AVE BESSEMER CITY NC 28016	0.37 NW	- 48	51

Environmental FirstSearch

Sites Summary Report

Target Property: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

JOB: 12489

TOTAL: 41 **GEOCODED:** 25 **NON GEOCODED:** 16 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No
1	SPILLS	TONY S SERVICE CENTER 18088/FOLLOW UP	422 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.03 SW	- 6	1
1	LUST	TONY S SERVICE CENTER NCI-018088/FOLLOW UP	422 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.03 SW	- 6	3
2	UST	PREV OPER BY TONY S SERVICE CT 0-012689	422 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.04 SW	- 6	5
3	SPILLS	VIRGINIA AVENUE 86024/DI	EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.07 NW	- 6	9
4	STATE	DANALEX FACILITY NONCD0001587/ACTIVE	501 EAST ALABAMA AVE BESSEMER CITY NC 28016	0.12 SW	- 1	11
5	UST	LITTLE DANDS GRO 0-000459	615 GASTONIA HWY BESSEMER CITY NC 28016	0.13 NE	+ 44	12
5	LUST	LITTLE DANDS GROCERY NCI-036522/CURRENT RECORD	615 GASTONIA HWY BESSEMER CITY NC 28016	0.13 NE	+ 21	16
6	UST	BESSEMER CITY CENTRAL SCHOOL 0-031072	317 EAST WASHINGTON AVE BESSEMER CITY NC 28016	0.14 NW	+ 1	18
7	ERNS	DANALEX 452922/FIXED FACILITY	515 EAST ALABAMA AVE BESSEMER CITY NC 28016	0.14 SE	+ 8	19
8	LUST	BIG BILLS PLACE, FORMER NCI-016417/FOLLOW UP	603 GASTONIA HWY BESSEMER CITY NC 28016	0.14 NE	+ 26	20
8	SPILLS	BIG BILLS PLACE, FORMER 16417/FOLLOW UP	603 GASTONIA HWY BESSEMER CITY NC 28016	0.14 NE	+ 26	22
8	UST	BIG BILLS PLACE 0-020074	603 GASTONIA HIGHWAY BESSEMER CITY NC 28016	0.14 NE	+ 26	24
9	SPILLS	DANALEX FACILITY 9482/ASSESSMENT	501 EAST ALABAMA AVE BESSEMER CITY NC 28016	0.20 SE	+ 46	27
9	LUST	DANALEX FACILITY NCI-009482/RESPONSE	501 E. ALABAMA AVE BESSEMER CITY NC 28016	0.20 SE	+ 46	29
10	SPILLS	ATLANTIC SPINNERS, INC./WandW SH 12270/FOLLOW UP	212 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.20 NW	- 6	30
10	LUST	ATLANTIC SPINNERS, INC./WandW SHEL NCI-012270/FOLLOW UP	212 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.20 NW	- 6	32
11	UST	BESSEMER CITY OIL COMPANY 0-033126	311 EAST VIRGINIA AVE BESSEMER CITY NC 28016	0.20 NW	- 21	34
12	UST	MCBESS INDUSTRIES INC. 0-015155	EAST VIRGINIA PO BOX 1240 BESSEMER CITY NC 28016	0.22 NW	- 7	38
13	UST	BESSEMER CITY CENTRAL SCHOOL APTS MO-7863	317 EAST WASHINGTON ST BESSEMER CITY NC 27520	0.24 NW	- 45.14	40
13	LUST	BESSEMER CITY CENTRAL SCHOOL APTS NCI-036480/CURRENT RECORD	317 EAST WASHINGTON ST BESSEMER CITY NC 27520	0.24 NW	- 45.14	42
14	SPILLS	JAMES SUPERETTE 27450	621 ATHENIA PLC BESSEMER CITY NC 28016	0.25 SE	+ 9	44

*Environmental FirstSearch
Site Information Report*

Request Date: 10-21-08
Requestor Name: Terry Kennedy
Standard: ASTM-05

Search Type: COORD
Job Number: 12489
Filtered Report

Target Site: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

Demographics

Sites: 41	Non-Geocoded: 16	Population: NA
Radon: 0.5 - 1.3 PCI/L		

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-81.275169	-81:16:31	Easting:	474976.584
Latitude:	35.28322	35:16:60	Northing:	3904288.12
Elevation:	904		Zone:	17

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel

	Requested?	Date
Fire Insurance Maps	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch Search Summary Report

Target Site: 501 E. VIRGINIA AVE
BESSEMER CITY NC 28016

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	07-09-08	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	07-09-08	0.50	0	0	0	0	-	0	0
CERCLIS	Y	07-09-08	0.50	0	0	0	0	-	0	0
NFRAP	Y	07-09-08	0.50	0	0	0	0	-	2	2
RCRA COR ACT	Y	07-03-08	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	07-03-08	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	07-03-08	0.25	0	0	0	-	-	0	0
Federal IC / EC	Y	10-01-08	0.25	0	0	0	-	-	0	0
ERNS	Y	07-30-08	0.25	0	0	1	-	-	0	1
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	1	1
State/Tribal Sites	Y	07-11-08	1.00	0	1	0	0	0	3	4
State Spills 90	Y	09-29-06	0.25	0	2	4	-	-	0	6
State/Tribal SWL	Y	09-28-08	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	08-08-08	0.50	0	1	6	2	-	6	15
State/Tribal UST/AST	Y	08-08-08	0.25	0	1	7	-	-	4	12
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	02-08-08	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	07-30-07	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	02-08-08	0.50	0	0	0	0	-	0	0
State Other	Y	08-13-08	0.25	0	0	0	-	-	0	0
- TOTALS -				0	5	18	2	0	16	41

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property: 501 E. VIRGINIA AVE.

501 E. VIRGINIA AVE

BESSEMER CITY NC 28016

Job Number: 12489

PREPARED FOR:

Geological Resources, Inc
2301 Crown Point Executive Dr.
Charlotte, NC 28227

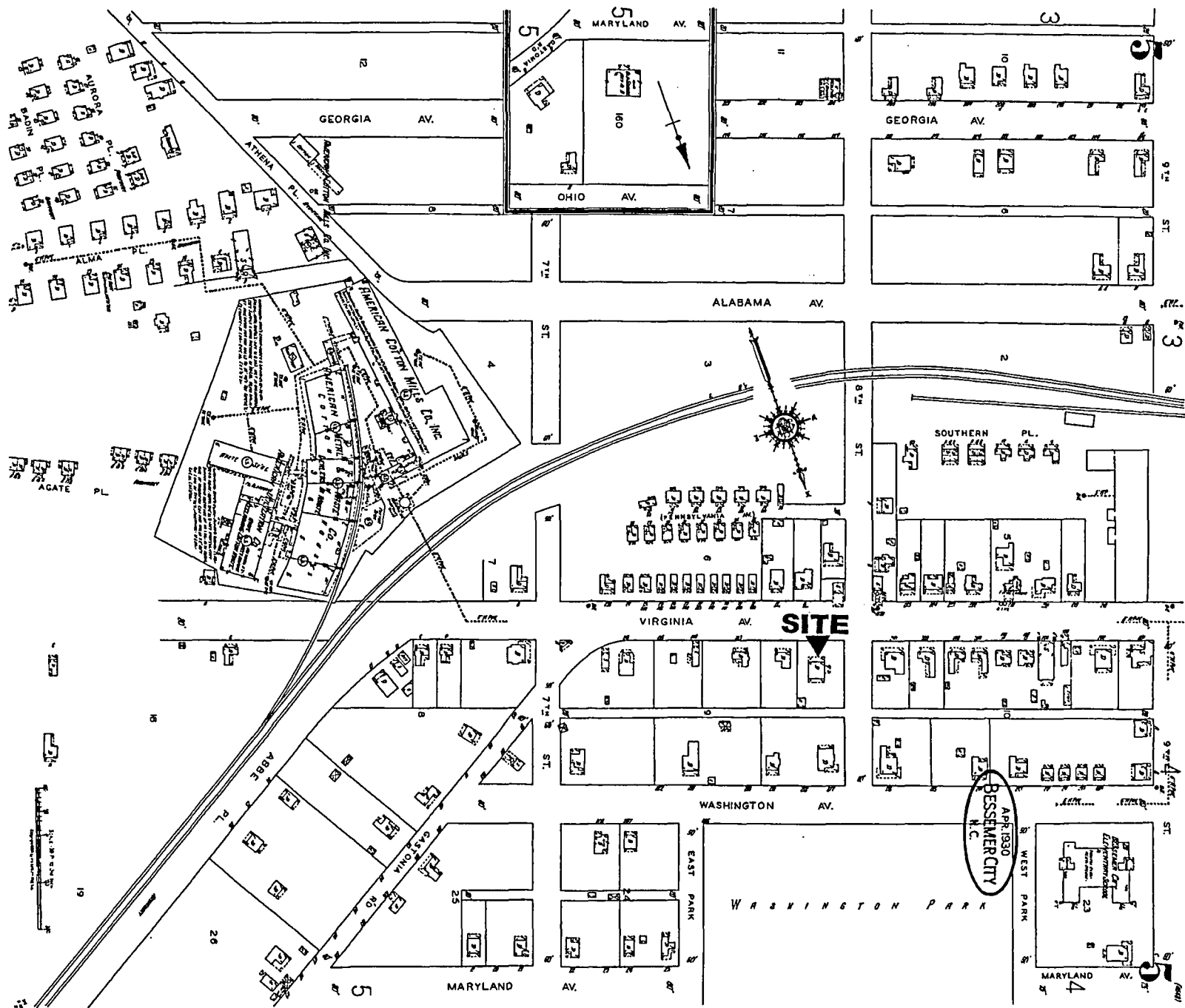
10-21-08

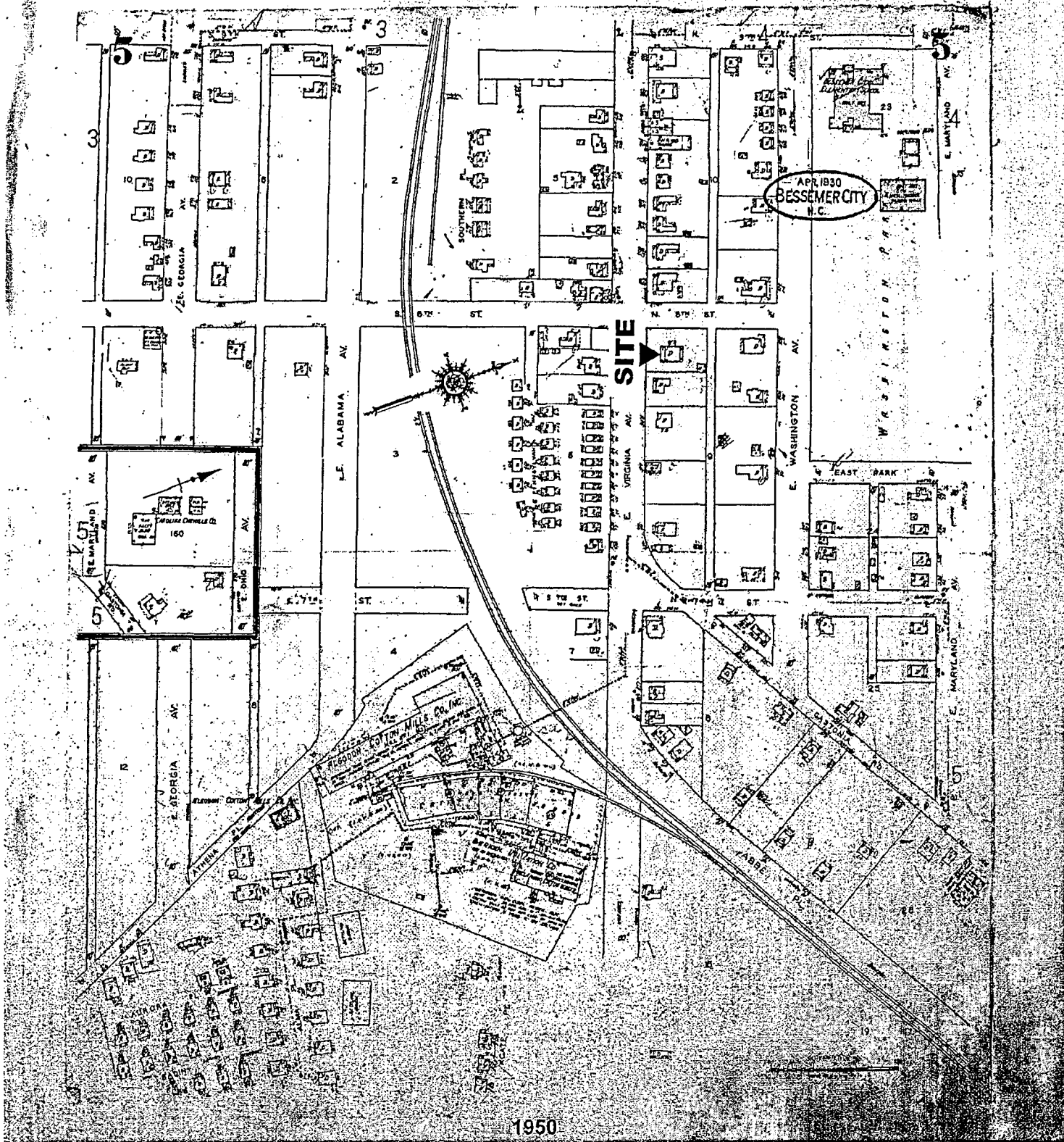


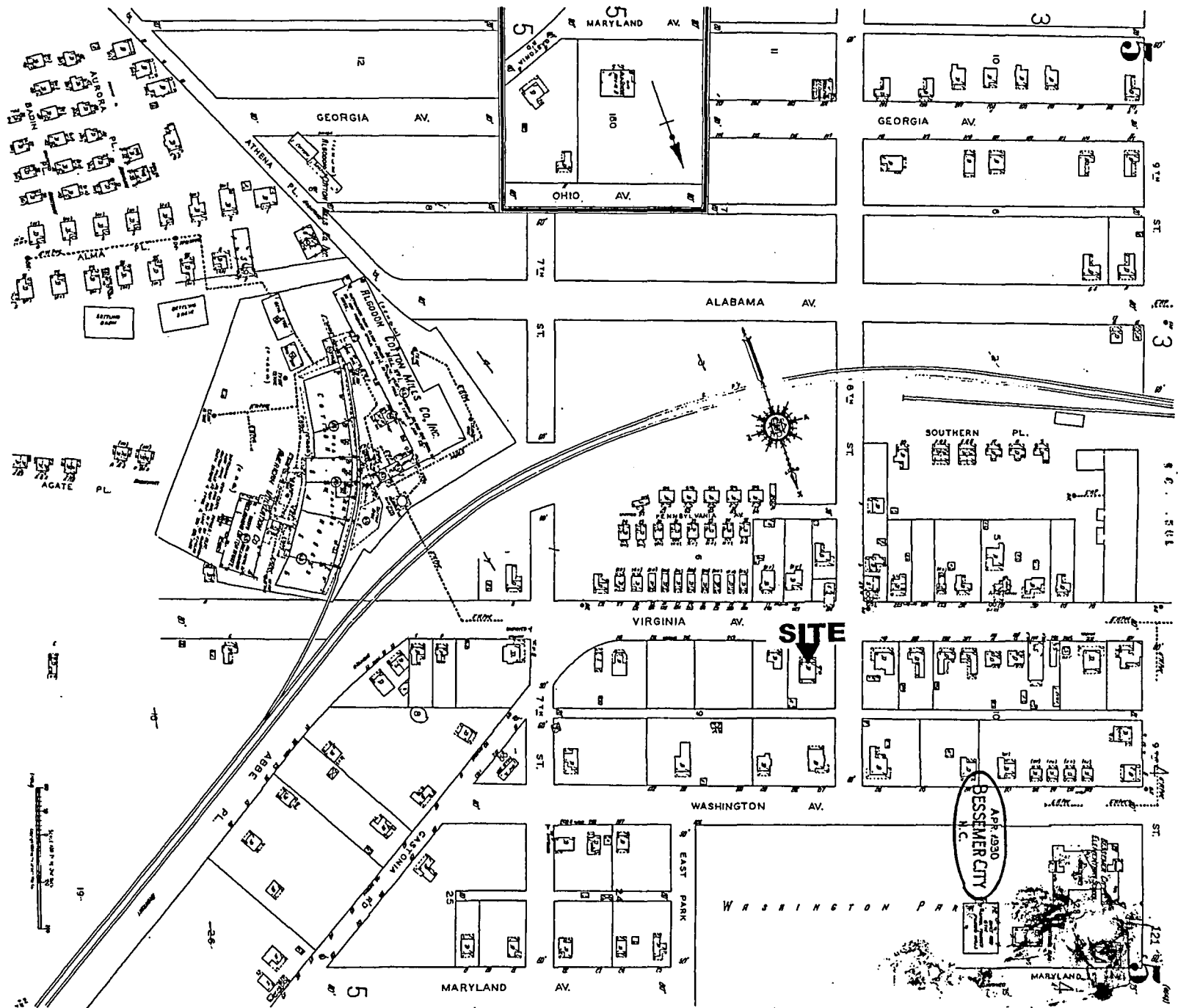
Tel: (407) 265-8900

Fax: (407) 265-8904

APPENDIX E
Environmental First Search Database Report







1939



FIRE INSURANCE MAP ABSTRACT RESEARCH RESULTS

10/31/2008

12489

501 E. VIRGINIA AVE
BESSEMER CITY, NC 28016

Listed below, please find the results of our search for historic fire insurance maps, performed in conjunction with your Environmental FirstSearch® report.

State	City	Date	Volume	Sheet Number(s)
North Carolina	Bessemer City	1950	none	5
North Carolina	Bessemer City	1939	none	5
North Carolina	Bessemer City	1930	none	5

This abstract is the result of a visual inspection of various Sanborn® Map collections. Supporting documentation follows in the Appendix. Use of this material is meant for research purposes only.

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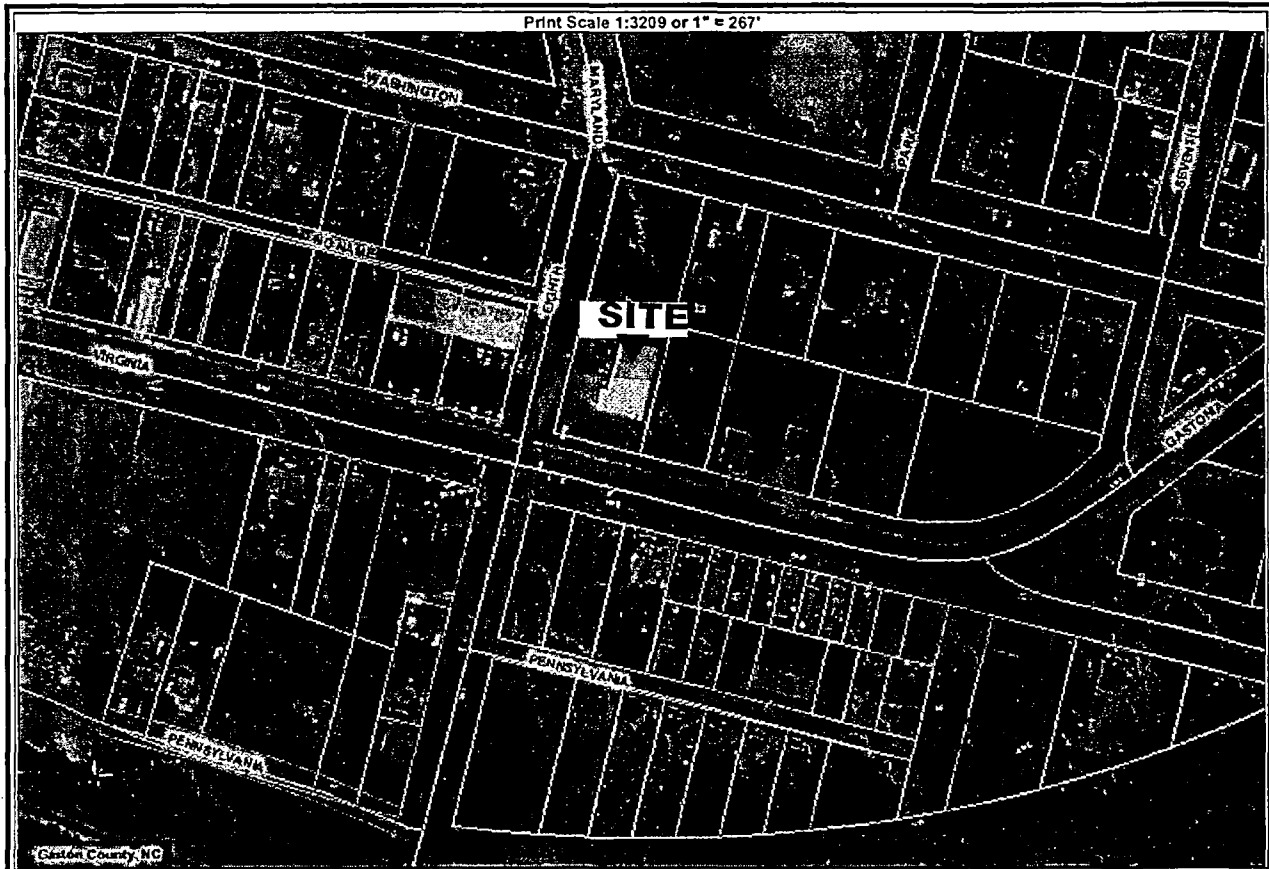
FirstSearch Technology Corporation

10 Cottage Street, Norwood, MA 02062
Tel: 781-551-0470 Fax: 781-551-0471

APPENDIX D
Historical Sanborn® Maps



Gaston County, NC
Office of the Director of Revenue, GIS Division
 Disclaimer: The information provided is not to be considered as a Legal Document or Description. The Map and Parcel Data is believed to be accurate, but Gaston County does not guarantee its accuracy.
 Values based on last general reappraisal - 2007
 Print Date: 11/3/2008



PARCEL INFORMATION

undefined: undefined	undefined: undefined	undefined: undefined
undefined: undefined	undefined: undefined	undefined: undefined
undefined: undefined	undefined: undefined	undefined: undefined
undefined: undefined	undefined: 0	undefined: undefined
undefined: undefined	undefined: undefined	undefined: undefined
undefined: undefined	undefined: undefined	undefined: undefined
undefined: undefined	undefined: undefined	undefined: undefined
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2007

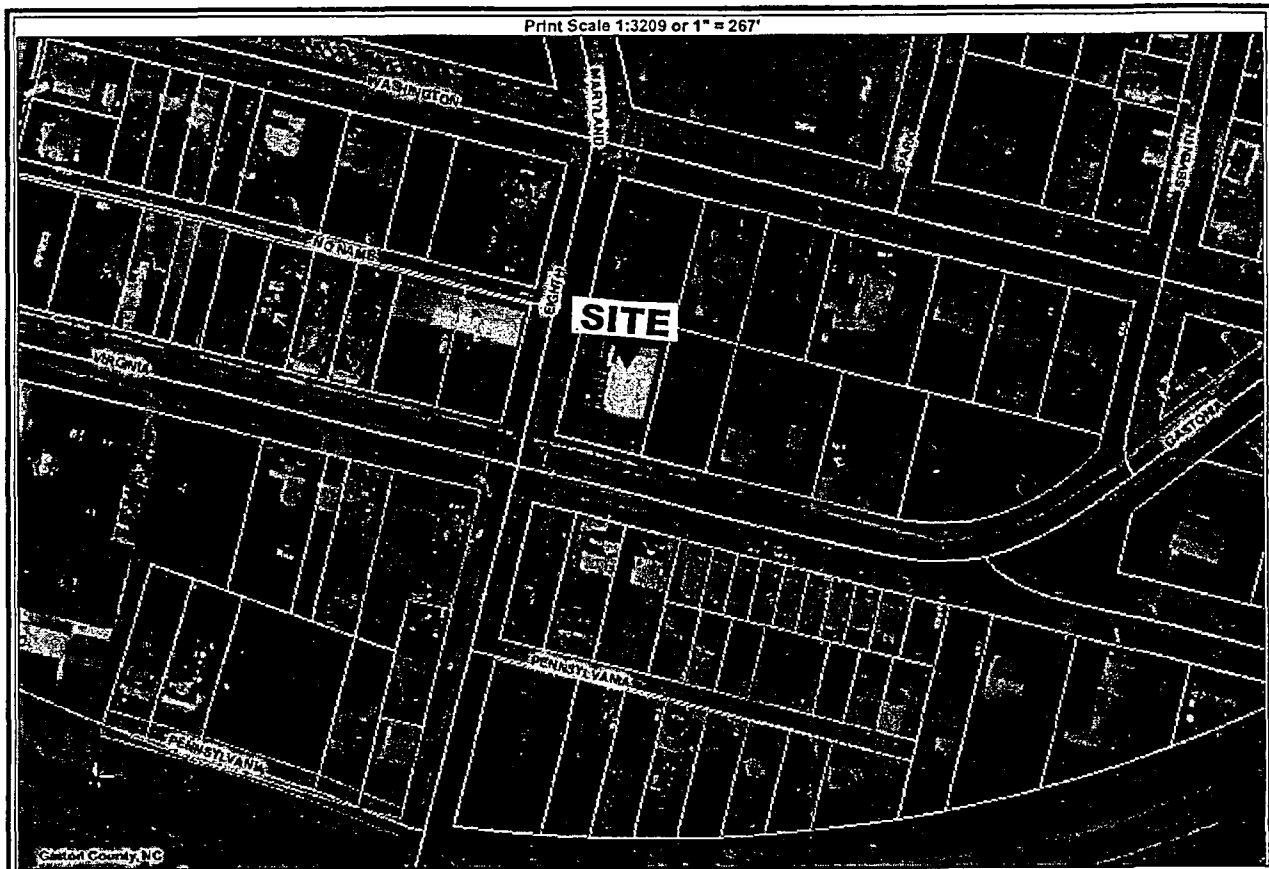


Gaston County, NC

Office of the Director of Revenue, GIS Division
Disclaimer: The information provided is not to be considered as a Legal Document or Description. The Map and Parcel Data is believed to be accurate, but Gaston County does not guarantee its accuracy.
 Values based on last general reappraisal - 2007
 Print Date: 11/3/2008



Photo Not Available



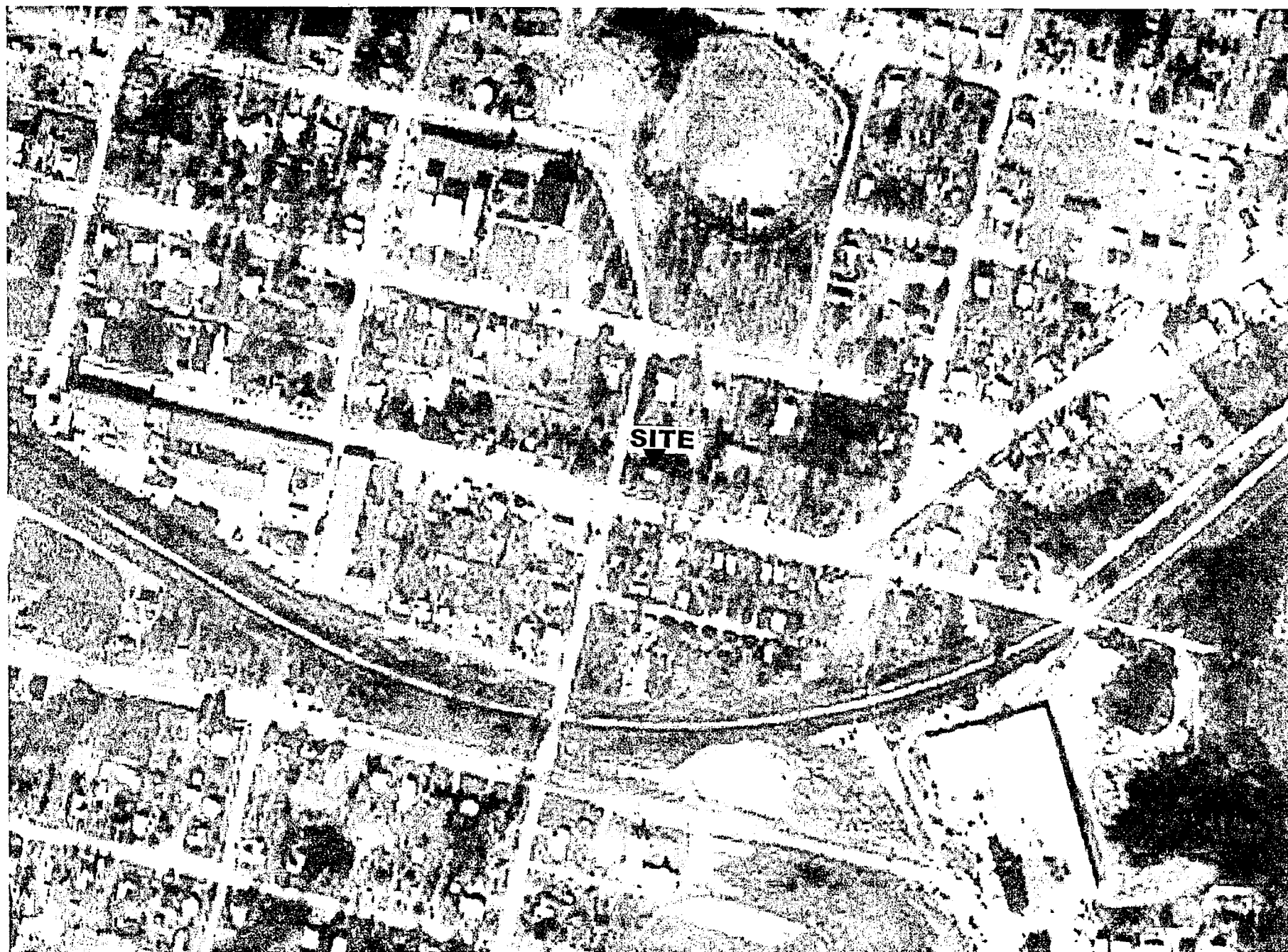
PARCEL INFORMATION

undefined: undefined undefined: undefined undefined: undefined undefined: undefined	undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: 0 undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: undefined	undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: undefined undefined: undefined
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1997

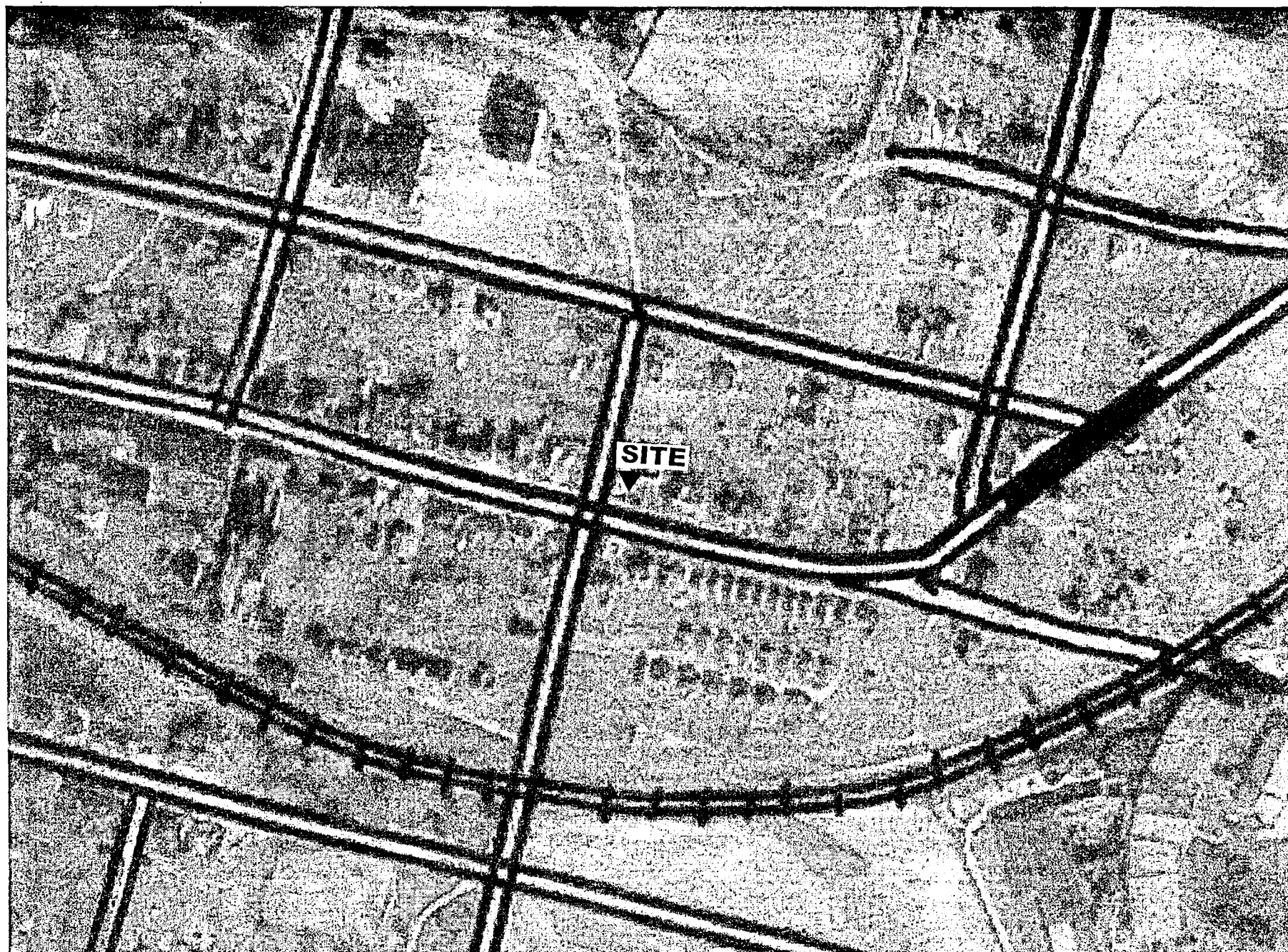












APPENDIX C
Historical Aerial Photographs

V. SPECIFIC ON-SITE CONDITIONS OF CONCERN

The following specific conditions or items of concern were observed on the subject property:

- | | | |
|----|---|-----------------------------|
| a. | Aboveground storage tanks (AST) | <u>No</u> Yes Photo # _____ |
| b. | Underground storage tanks (UST) | <u>No</u> Yes Photo # _____ |
| c. | Pipes lines | <u>No</u> Yes Photo # _____ |
| d. | Damaged/leaking transformers | <u>No</u> Yes Photo # _____ |
| e. | Surface impoundment/holding ponds
(Other than storm water retention) | <u>No</u> Yes Photo # _____ |
| f. | Monitoring wells | <u>No</u> Yes Photo # _____ |
| g. | Remedial cleanup activity | <u>No</u> Yes Photo # _____ |
| h. | Landfill/burial activity | <u>No</u> Yes Photo # _____ |
| i. | Chemical spills or releases | <u>No</u> Yes Photo # _____ |
| j. | Gas/oily sheens on water
(Excluding parking lot ponding) | <u>No</u> Yes Photo # _____ |
| k. | Chemical/petroleum odors | <u>No</u> Yes Photo # _____ |
| l. | Stained or discolored soil | <u>No</u> Yes Photo # _____ |
| m. | Distressed/discolored vegetation | <u>No</u> Yes Photo # _____ |
| n. | Dumping | <u>No</u> Yes Photo # _____ |
| o. | Stored substances/drums/containers/vats | <u>No</u> Yes Photo # _____ |
| p. | Spray rigs/tankers/mobile storage tanks | <u>No</u> Yes Photo # _____ |
| q. | Sprayed on structural fire proofing | <u>No</u> Yes Photo # _____ |
| r. | Sprayed on acoustical/textured ceilings | <u>No</u> Yes Photo # _____ |
| s. | Friable/damaged thermal insulation | <u>No</u> Yes Photo # _____ |
| t. | Marshes/low lying wetlands | <u>No</u> Yes Photo # _____ |
| u. | Farm wastes/manure | <u>No</u> Yes Photo # _____ |

Note: Photograph each item checked "Yes" above to appropriately document its condition. More than one photo may be required on multiple conditions or locations.

VI. Attachment:

Site Plan Drawing(s) No Yes

VII. Attachment:

Color Photographs No Yes

IV. On-Site Industrial/Manufacturing Activity

When an industrial/manufacturing activity is now, or evidence indicates it has been in operation on the subject property that may be involved with the generation, storage, treatment, transportation, recycling or disposal of hazardous, or toxic wastes, the Inspector shall appropriately check-mark below and photograph the environmentally sensitive activities or evidence observed.

The following activity, or evidence thereof, was observed on-site?

Landfill.....	<u>No</u> Yes
Wastewater treatment process	<u>No</u> Yes
Incineration furnace/air emissions	<u>No</u> Yes
Recycling process	<u>No</u> Yes
Junk/scrap yard	<u>No</u> Yes
Gasoline station/convenience store	<u>No</u> Yes
Motor vehicle repairs/maintenance	<u>No</u> Yes
Machine shops	<u>No</u> Yes
Airport	<u>No</u> Yes
Railroad yard/spur	<u>No</u> Yes
Freight terminals	<u>No</u> Yes
Military base	<u>No</u> Yes
Power plant	<u>No</u> Yes
Asphalt or cement plant	<u>No</u> Yes
Oil & gas exploration/production/refining.....	<u>No</u> Yes
Mining.....	<u>No</u> Yes
Foundries/casting operations	<u>No</u> Yes
Herbicide/pesticide manufacturing/storage.....	<u>No</u> Yes
Chemical manufacturing/treatment.....	<u>No</u> Yes
Metal plating or finishing	<u>No</u> Yes
Metal fabrication or production	<u>No</u> Yes
Textile and leather manufacturing	<u>No</u> Yes
Wood preservation or finishing	<u>No</u> Yes
Paper manufacturing	<u>No</u> Yes
Printing industries.....	<u>No</u> Yes
Pharmaceutical production.....	<u>No</u> Yes
Plastic fabrication and manufacturing	<u>No</u> Yes
Livestock feed lots	<u>No</u> Yes
Agricultural/horticultural production.....	<u>No</u> Yes
Explosive manufacturing	<u>No</u> Yes
Dry cleaning facilities	<u>No</u> Yes
Inks, dye and paint manufacturing or use	<u>No</u> Yes
Photochemical laboratories	<u>No</u> Yes
Analytical testing laboratories	<u>No</u> Yes
Fertilizer manufacturing.....	<u>No</u> Yes
Vehicle/equipment degreasing/washing	<u>No</u> Yes
Hazardous waste transportation, storage and disposal.....	<u>No</u> Yes

III. Off-Site Adjacent Properties:

The inspector shall observe to the extent possible conditions of concern on all adjacent properties from the subject property's perimeter boundary and from public streets, alleys, sidewalks, etc. An "adjacent property" means the property is 1) abutting, where it shares the same property line, or 2) separated from the subject property only by an easement such as road, street, alley, highway, railroad, etc., which would otherwise be abutting. Check the appropriate boxes to define the observed relationship and characteristic of the adjacent sites.

TABLE 1
OFF-SITE ADJACENT PROPERTIES

OBSERVED CONCERNS	The adjacent property to the: Northwest	The adjacent property to the: Southeast	The adjacent property to the: Southwest	
	is: Uphill from <u>Downhill from</u> Level with the subject property	is: <u>Uphill from</u> Downhill from Level with the subject property	is: <u>Uphill from</u> Downhill from Level with the subject property	
Underground Storage Tanks	(x)	()	(x)	()
Impoundment/holding ponds	()	()	()	()
Remedial clean-up activity	()	()	(x)	()
Monitoring wells	()	()	()	()
Chemical odors	()	()	()	()
Air emissions	()	()	()	()
Industrial/manufacturing activity	()	()	()	()
Aboveground Storage Tanks	()	()	()	()
Storage drums/containers	()	()	()	()
Dumping	()	()	()	()
Landfill/burial activity	()	()	()	()
Stained/discolored soil	()	()	()	()
Evidence of spills or releases	()	()	(x)	()
Waste water discharges	()	()	()	()
CURRENT USE	RESIDENCE	RESIDENCE	VACANT COMMERCIAL	COMMERCIAL STRIP
OCCUPIED/UNOCCUPIED	OCCUPIED	OCCUPIED	UNOCCUPIED	OCCUPIED

III. Off-Site Adjacent Properties:

The inspector shall observe to the extent possible conditions of concern on all adjacent properties from the subject property's perimeter boundary and from public streets, alleys, sidewalks, etc. An "adjacent property" means the property is 1) abutting, where it shares the same property line, or 2) separated from the subject property only by an easement such as road, street, alley, highway, railroad, etc., which would otherwise be abutting. Check the appropriate boxes to define the observed relationship and characteristic of the adjacent sites.

TABLE 1
OFF-SITE ADJACENT PROPERTIES

OBSERVED CONCERNS	The adjacent property to the: North	The adjacent property to the: East	The adjacent property to the: South	The adjacent property to the: West
	is: Uphill from <u>Downhill from</u> Level with the subject property	is: Uphill from Downhill from <u>Level with</u> the subject property	is: Uphill from Downhill from <u>Level with</u> the subject property	is: Uphill from Downhill from <u>Level with</u> the subject property
Underground Storage Tanks	()	()	()	()
Impoundment/holding ponds	()	()	()	()
Remedial clean-up activity	()	()	()	()
Monitoring wells	()	()	()	()
Chemical odors	()	()	()	()
Air emissions	()	()	()	()
Industrial/manufacturing activity	()	()	()	()
Aboveground Storage Tanks	()	()	()	()
Storage drums/containers	()	()	()	()
Dumping	()	()	()	()
Landfill/burial activity	()	()	()	()
Stained/discolored soil	()	()	()	()
Evidence of spills or releases	()	()	()	()
Waste water discharges	()	()	()	()
CURRENT USE	RESIDENCE	VACANT LOT	VACANT COMMERCIAL	COMMERCIAL STRIP
OCCUPIED/UNOCCUPIED	OCCUPIED	UNOCCUPIED	UNOCCUPIED	OCCUPIED

ENVIRONMENTAL SCREENING INSPECTION (ESI) FORM

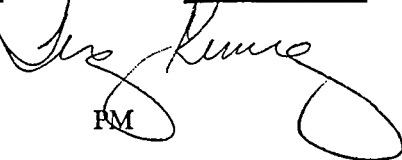
(Print or type information and check all appropriate boxes)

Subject Property Name: 501 East Virginia Avenue

Address/Location: 501 East Virginia Avenue

City: Bessemer City County: Gaston State: North Carolina

Inspected by: Terry Kennedy

Signature: 

Job Number: _____ Date: 10/21/08 AM PM

Site Access Contact: Dr. John LaStella Phone: 704.629.5390

Instructions:

This Environmental Screening Inspection Form defines the scope of work to be performed in a checklist format and is the document on which the Inspector shall record the observations during the inspection.

This Inspection Form shall be completed in the field by the Inspector performing the non-destructive physical inspection of the subject property to document his/her observations on-site and, to the extent possible, on the adjacent property. The Inspector shall not disturb, dismantle or rearrange any materials, containers or equipment in performance of the inspection. The Inspector should be equipped with binoculars, a camera, a compass and a site plan depicting the legal boundaries of the subject property to perform the inspection. The Inspector is responsible for arranging access to the property and making all necessary preparations, including personal safety provisions, such as appropriate protective footwear and clothing.

The Inspector shall walk the entire perimeter boundary of the subject property, walk each side of all on-site wet and dry drainage arteries, walk around all on-site portions of the subject property, walk all roads, drives, and pathways, walk around and through all building improvements, and walk an appropriate grid pattern over the remaining areas not covered above, including wooded/overgrown areas, to observe and record evidence of environmental concern. The Inspector shall take photographs depicting the general overall condition of the property/improvements and photograph each item of environmental concern observed to document its condition and delineate its location on a site plan drawing. Check-mark all boxes that indicates the conditions observed, appropriately fill in the blanks when applicable plus initial and date each sheet.

I. Property Description: 0.34 acres Undeveloped land

Paving & utility improvements

Building improvements

Occupied

Unoccupied

Fenced

of buildings 1

II. Utilities Serving the Subject Property:

City sewer

Septic system

Floor drains

City water

Well water

APPENDIX B
Inspection Forms



Photo #23
Adjacent Property to the Northwest

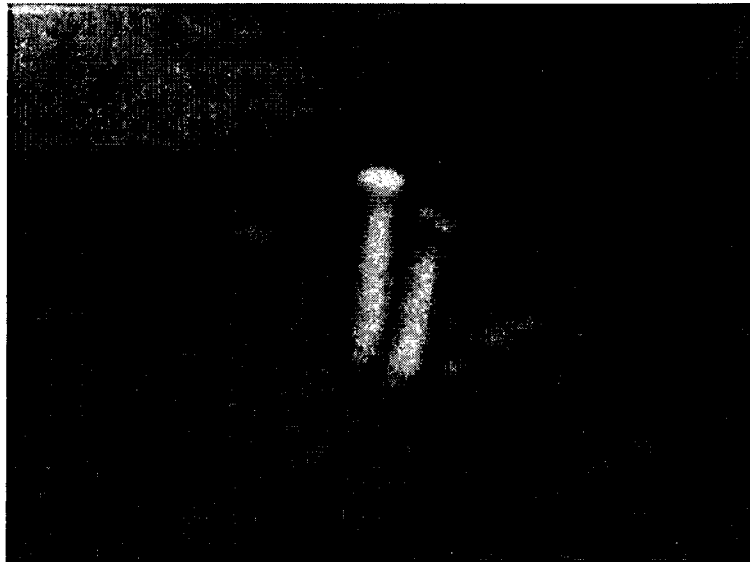


Photo #24
UST Fill and Vent Pipe
Adjacent Property to the Northwest

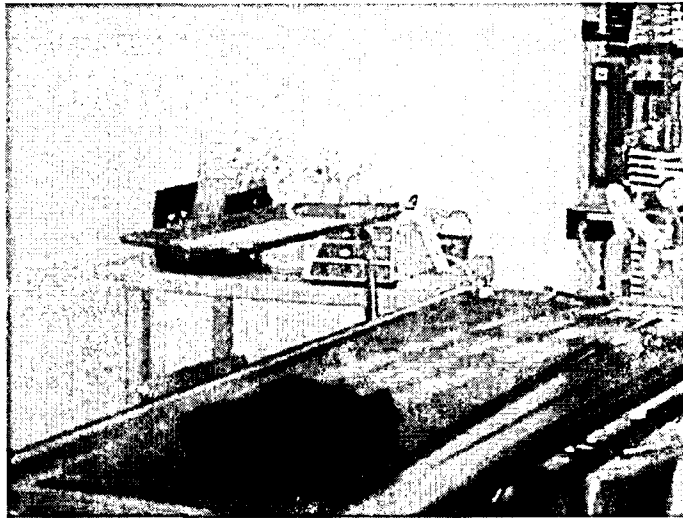


Photo #21
Operating Room



Photo #22
Kennel Area (typical)



Photo #19
Office Corridor



Photo #20
Office Laboratory



Photo #17
Office Reception Area



Photo #18
Examination Room (typical)



Photo #15
Former Textile Mill
West-Southwest of Subject Site

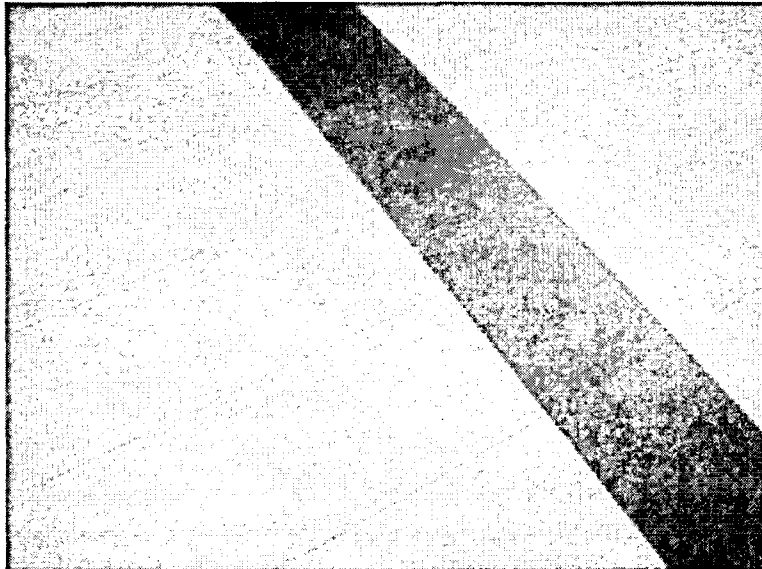


Photo #16
Office Flooring



Photo #13
Former UST Basin (foreground) on Adjacent Property to the Southwest
and Subject Property (background)

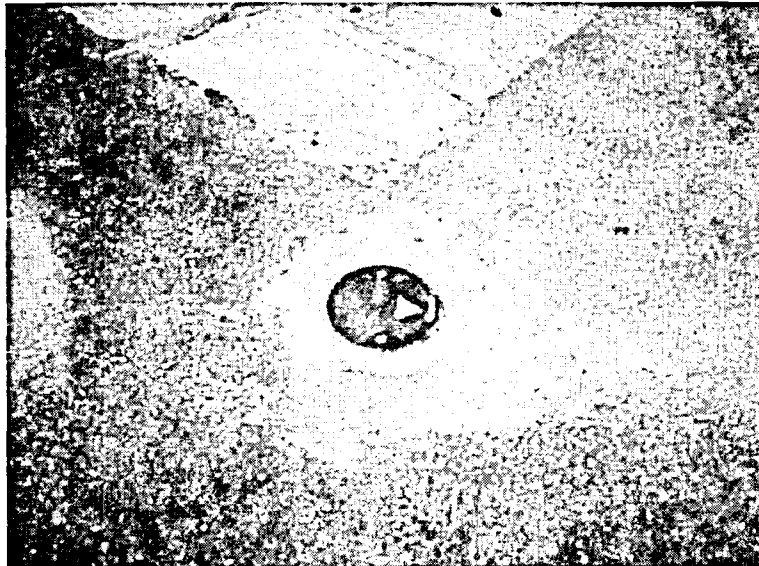


Photo #14
Monitoring Well on Adjacent Property to the Southwest



Photo #11
Adjacent Property to the East

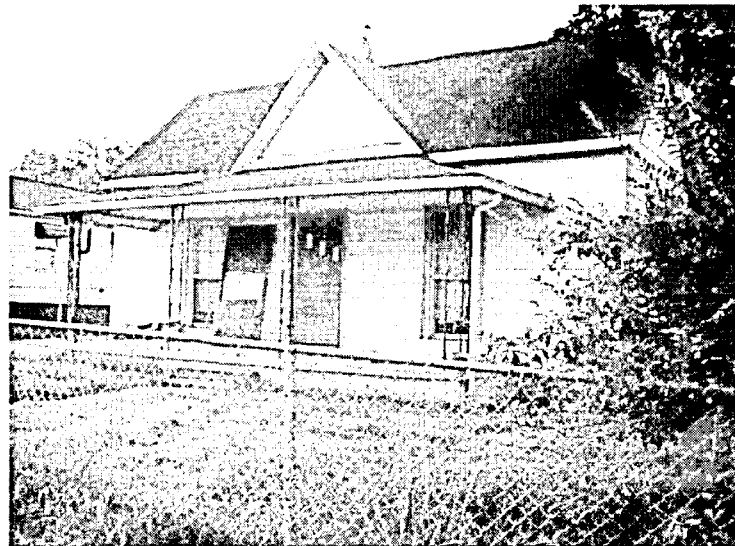


Photo #12
Adjacent Property to the Southeast

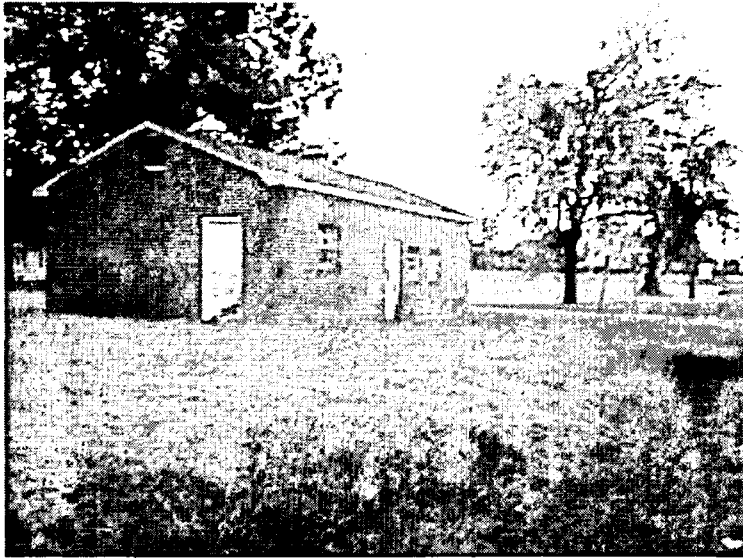


Photo #9
Adjacent Property to the South



Photo #10
Adjacent Property to the North



Photo #7
Adjacent Property to the Southwest

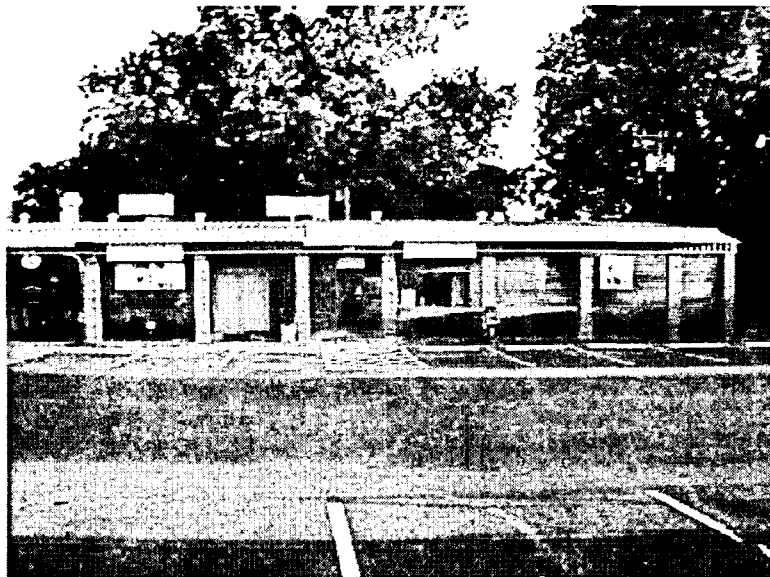


Photo #8
Adjacent Property to the West

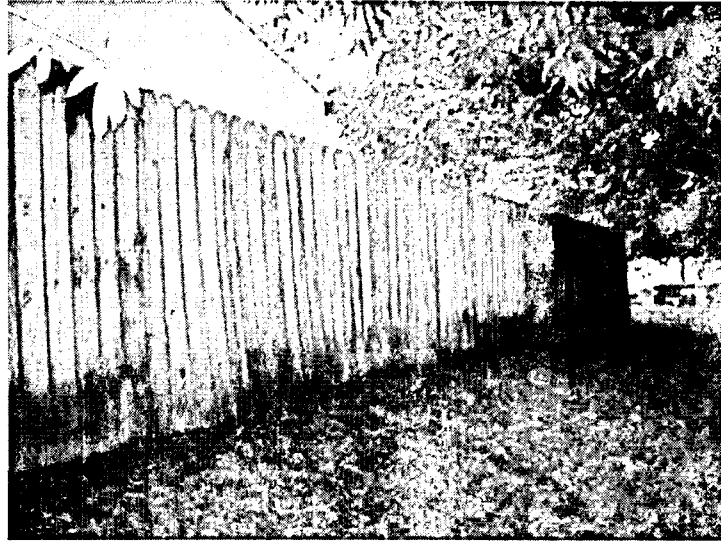


Photo #5
Northern Property Boundary
View Facing West



Photo #6
Western Property Boundary
View Facing North



Photo #3
Southern Property Boundary
View Facing West



Photo #4
Eastern Property Boundary
View Facing North



Photo #1
On-Site Building
View Facing North

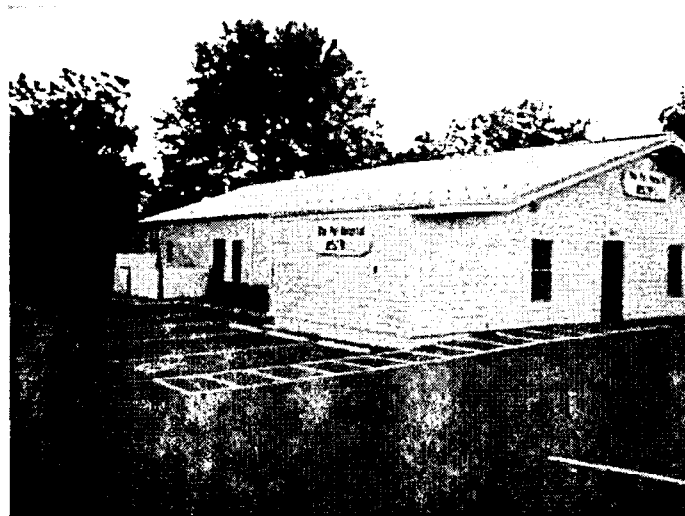
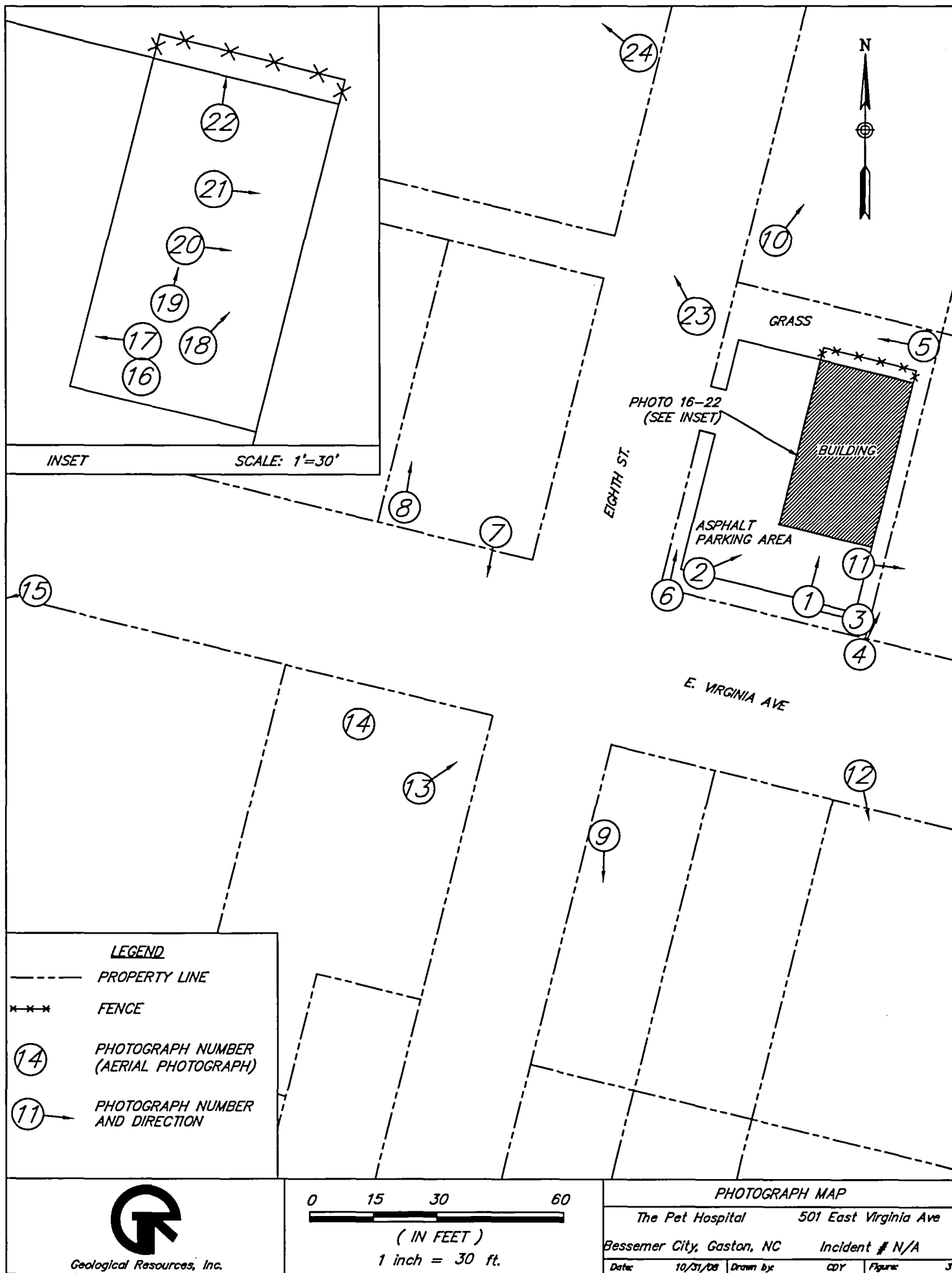
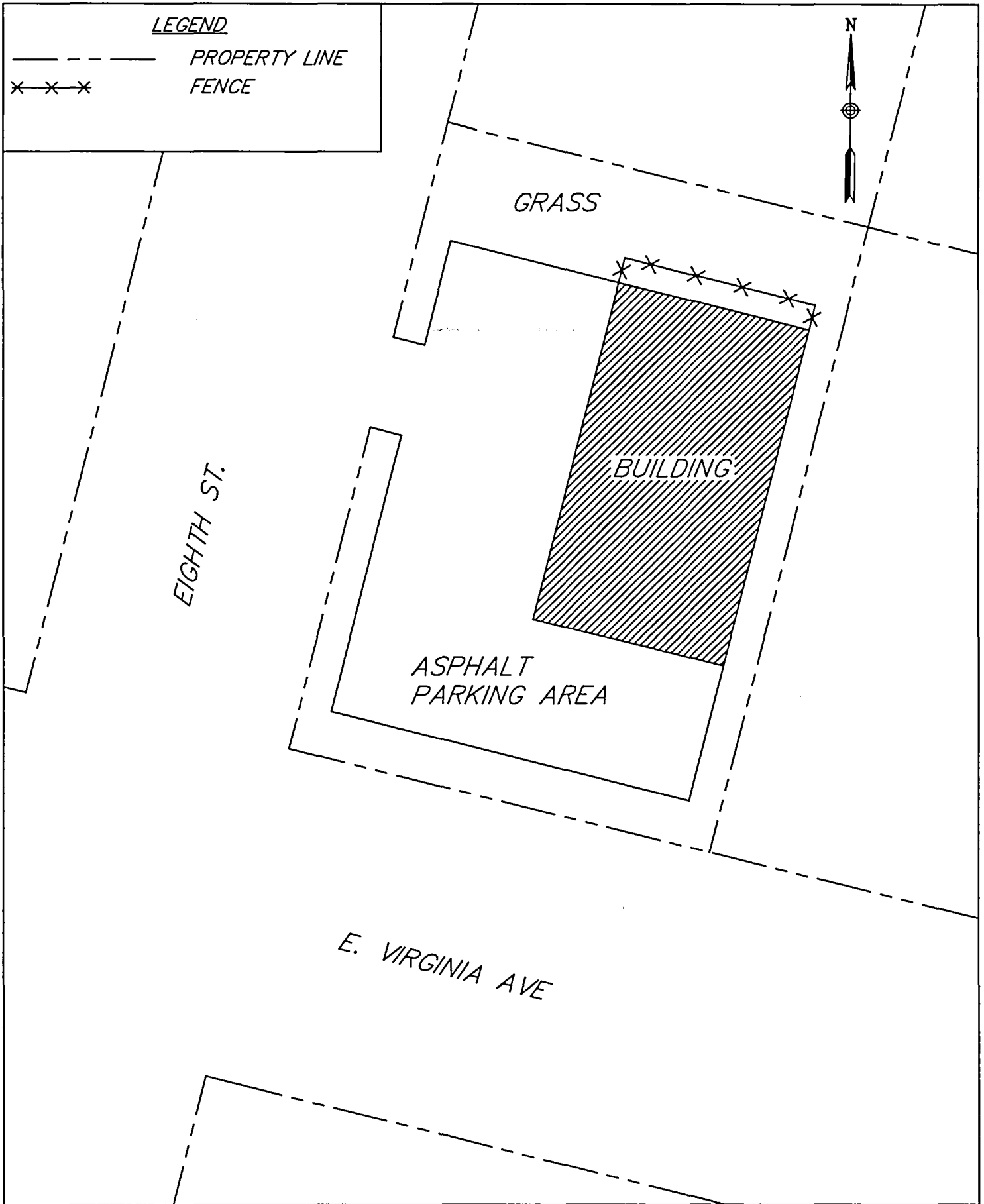


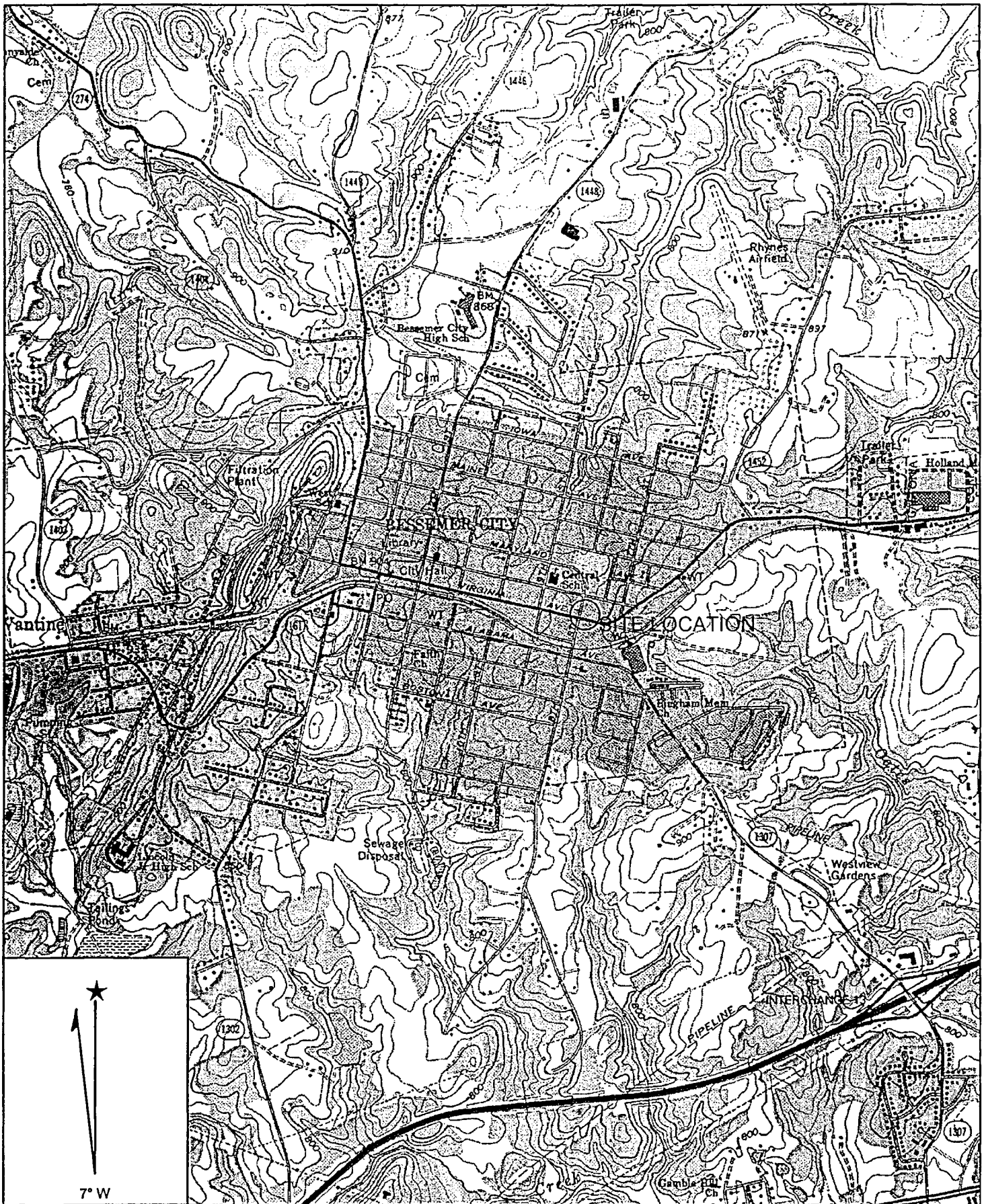
Photo #2
On-Site Building
View Facing Northeast

APPENDIX A
Photographs

APPENDICES







Name: BESSEMER CITY
 Date: 11/3/2008
 Scale: 1 inch equals 2000 feet

Location: 035° 17' 00.7" N 081° 16' 48.4" W
 Caption: Figure 1: Site Location Map
 501 East Virginia Avenue
 Bessemer City, North Carolina

FIGURES

12.0 Limitations

The work performed in conjunction with this study and the data developed are intended to describe information available on the specified dates and locations. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at locations not investigated.

GRI has based its assessment upon prior site history through interviews, available records, and conditions and activities observable during a physical site inspection. This report is not intended to determine whether soil contamination or waste emplacement may exist at the site. Such determinations would require comprehensive subsurface exploration and additional sampling activities.

Spills LUST UST	James Superette 621 Athenia, Pl.	0.25 SE	No	Former UST site. Soil contamination discovered during UST closure. Incident closed in 1991.
LUST	Little Dan's Grocery 615 Gastonia Hwy	0.13 NE	No	Active UST site with a reported petroleum release. Site is not considered a risk due to the distance between the sites.
UST LUST	Bessemer City Schools 317 E. Washington St.	0.24 NW	No	Active Heating Oil UST on-site. UST release was closed in 2008.
LUST	Superior Plastics, Inc. 209 E. Virginia Ave.	0.36 NW	No	Active LUST site. Petroleum release to ground water. Site is not considered a risk due to the distance between the sites
UST	Bessemer City Oil Company 311 E. Virginia Ave.	0.20 NW	No	Former UST site. USTs closed in 1992. Incident is closed.
UST	McBess Industries, Inc. East Virginia Ave.	0.22 NW	No	Former UST site. USTs closed in 1987.

9.0 Interviews

On October 31, 2008, GRI interviewed Dr. Robert Neunzig the current property owner. According to Dr. Neunzig he obtained the property in 1996 and had the current building constructed on the site. According to Dr. Neunzig, the building was constructed as and has been operated as a veterinarian clinic. The site was vacant at the time Dr. Neunzig purchased the property. Dr. Neunzig was unaware of any past or current environmental issues associated with the property. A Transaction Screen Questionnaire based upon the interview with Dr. Neunzig is provided in **Appendix F**.

10.0 Recommendations

Due to the close proximity of the active, adjacent LUST site located across East Virginia Avenue to the southwest and the active chlorinated solvent ground water release at the Danalex facility located approximately 350 feet west-southwest of the subject site, GRI recommends that a Phase II ESA be conducted at the site. A minimum of two ground water samples should be collected at the site along the southern and western property boundaries. Collected ground water samples should be analyzed by EPA Method 8260.

11.0 References

Gaston County, North Carolina GIS Department
United States Department of Agriculture's (USDA) Natural Resources Conservation Service
United States Environmental Protection Agency's PA *Map of Radon Zones in North Carolina* document (EPA-402-R-93-071)
United States Department of Agriculture, Soil Conservation Service's Web Soil Survey
North Carolina Geological Survey 1985 *Geologic Map of North Carolina*
Environmental First Search

8.7 State Sites List

EFS conducted a review of the North Carolina State Sites List of known or potential hazardous waste sites. **One State site was listed within a 1-mile radius of the subject site.**

8.8 State Spills List

EFS conducted a review of the North Carolina State Spill List of spills and hazardous leaking incidents responded to by the NCDENR. **Two spills were reported within a 0.25 radius of the subject site.**

8.9 AST/UST/LUST List

EFS conducted a database file review of the NCDENR Division of Underground Storage Tank Management for information on registered aboveground storage tank (AST) and UST sites and; leaking UST (LUST) sites. The file review included the subject site and properties located within a 0.25-mile and 0.50-mile radius, respectively. **Eight UST and three LUST sites were identified within the respective search radii.**

Based upon information in the database, the following sites listed below have been identified as having one or more environmental issues.

Databas e Type	Site Name And Address	Distance (Mi) and Direction From Target Site	REC	Comments
ERNS State Spills LUST	Danalex 515 E. Alabama Ave.	0.14 SE	Yes	The ERNS incident was a reported release of an unknown material to a creek. The ERNS was reported in 1995 by a neighboring property owner. The Spills release is for chlorinated solvents, VOCs and petroleum contamination in soil and ground water. Assessment is still active. Due to the range of contaminants and proximity to the target site, this site is a REC.
Spills	East Virginia Avenue	0.07 NW	No	Reported petroleum contamination in soil during monitoring well installation.
Spills LUST UST	Former Big Bill's Place 603 Gastonia Hwy.	0.14 NE	No	Site is a former UST site with a confirmed ground water release. The USTs have been closed. The incident is still active. Site is not considered a risk due to the distance between the sites.
Spills LUST UST	Tony's Service Center 422 East Virginia Ave.	0.03 SW	Yes	Petroleum release reported during UST closure in 1997. Open ground water incident, reportedly no receptors w/in 1,000 feet. USTs closed-in-place. Due to the close proximity of the site, this release is considered a REC.
Spills LUST	Atlantic Spinners 212 East Virginia Ave.	0.20 NW	No	Petroleum contamination in soil and ground water reported at the site in 1994. Release is still active. Site is not considered a risk due to the distance between the sites.

oil or hazardous substance disposal, storage, use or releases at or near the site.

The Facility Index Data System (FINDS) was accessed by EFS to review the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), CERCLIS – No Further Remedial Action Planned (NFRAP) and Emergency Response Notification System (ERNS) files for the subject site and surrounding properties. No sites were located within a 0.50-mile radius of the subject site on the CERCLIS list. No CERCLIS – NFRAP sites were located within a 0.50-mile radius of the site. **One ERNS site was located within a 0.25-mile radius.**

8.2 RCRA List Review

The North Carolina Department of Environment and Natural Resources (NCDENR), and Federal EPA lists of Small Quantity Generators (SQGs), Large Quantity Generators (LQGs), and Treatment, Storage and Disposal (TSD) facilities of hazardous wastes and materials covered under the Resource Conservation and Recovery Act (RCRA) were reviewed. No SQGs or LQGs were listed within the 0.25-mile search radius of the subject site. No TSD facilities were identified within a 0.50-mile radius of the subject site.

8.3 CERCLA and Superfund List Review

EFS conducted a review of the EPA database files for known hazardous waste sites and facilities of known or potential sites of concern under “Superfund” legislation. No National Priorities List (NPL) sites were identified within a 1-mile radius of the subject site.

8.4 Solid Waste Section Review

EFS conducted a review of the NCDENR list of solid waste facilities to determine if there are any permitted solid waste landfills located near the subject site. There were no permitted solid waste landfills identified within a 0.50-mile radius of the subject site.

8.5 RCRA CORRACTS List Review

EFS conducted a review of the EPA database files for a list of sites with RCRA corrective action activity (CORRACTS). The list reports sites where nationally defined corrective action core events have occurred. No CORRACTS sites were listed within the 1-mile search radius of the subject site.

8.6 IC/EC List Review

EFS conducted a review of the EPA database for federal Engineering and Institutional Control (IC/EC) sites, which contain facilities that may be Brownfield sites or Superfund sites that have either engineering or an institutional control. Prone to toxic material releases. No IC/EC sites were listed within the 0.25-mile search radius of the subject site.

Aerial Photograph Year	Site Description	Surrounding Area Description
1938	Residential	Commercial and Residential
1951	Residential	Commercial and Residential
1956	Residential	Commercial and Residential
1968	Residential	Commercial and Residential
1979	Residential	Commercial and Residential
1984	Residential	Commercial and Residential
1997	Commercial w/Current Structure	Commercial and Residential
2007	Commercial w/Current Structure	Commercial and Residential

GRI contracted Environmental First Search (EFS) to conduct a search for Sanborn® Fire Map coverage. Map coverage for the years 1930, 1939 and 1950 were available for review for the subject site. Copies of the Sanborn® Maps reviewed have been included as **Appendix D**.

Sanborn Map	Site Description	Surrounding Area Description
1930	Residential	Residential/Commercial
1939	Residential	Residential/Commercial
1950	Residential	Residential/Commercial

8.0 Regulatory Records Review

To assess potential environmental liabilities from past and current activities at the site, GRI reviewed relevant public records. GRI also contracted Environmental First Search, Inc. (EFS) to conduct a radius file review of Federal and State records. The reviews focused on activities at or near the site that might indicate the deposition of oils or hazardous substances or violations of environmental regulations. The EFS report has been included as **Appendix E**.

8.1 Hazardous Waste Agency Lists

EFS conducted a review of the United States Environmental Protection Agency (EPA) database files regarding known facilities or sites currently monitored or regulated by State agencies. These files include information concerning environmental permits, known violations of environmental laws, or

4.0 *Site Inspection*

On October 21, 2008, Geological Resources, Inc. (GRI) personnel conducted an environmental inspection of the subject site targeting recognized environmental conditions (RECs). **No RECs were noted on the subject site.** Inspection of the building did not indicate the presence of lead-based paint, mold or asbestos containing materials.

The adjacent property to the southwest, across East Virginia Avenue, is a former gasoline station and automobile repair facility. Three ground water monitoring wells and a closed-in-place underground storage tank (UST) basin were noted on the property. **The former UST basin and the presence of monitoring wells on the property are considered a REC with regards to the subject site.** The site is identified on the database as Tony's Service Center. The adjacent property to the northwest, across Eighth Street, has a heating oil UST. This property is topographically down-gradient of the site. **The heating oil UST is a potential environmental concern (PEC).** A former textile mill identified as Danalex located approximately 350 feet west-southwest of the subject site is topographically down-gradient of the subject site. **Due to the close proximity (~350 feet) of the target site to the former textile mill, the former mill property is considered a REC.**

5.0 *Underground Storage Tanks*

No USTs were identified on the target property. **A closed-in-place UST basin was noted on the adjacent property, across East Virginia Avenue, to the southwest. An existing heating oil UST is located on the adjacent property to the northwest, across Eighth Street.**

6.0 *Hazardous Waste Generation*

No hazardous waste operations, storage or generation activities were noted on the subject site or on the adjoining properties.

7.0 *Historical Research*

GRI obtained historical aerial photographs of the property from United States Department of Agricultural (USDA) Natural Resources Conservation Service office in Dallas, North Carolina and from the Gaston County GIS website. Aerial photographs from 1938, 1951, 1956, 1968, 1979, 1984, 1997 and 2007 were available for review. A description of the site as seen in the photographs is detailed below in chronological order. Please note that the scale and clarity of the photos do not allow a thorough evaluation of property features such as stressed vegetation or potential storage tank locations. The photographs do assist with evaluating the history of the site by allowing a relative determination of the time frame of site development. Copies of the aerial photographs reviewed have been included as **Appendix C.**

1.0 *Property Description*

Geological Resources, Inc. conducted an ASTM Designation E-1528-06 Transaction Screen at the property identified as Gaston County parcel number 121580. The target property is located at 501 East Virginia Avenue in Bessemer City, Gaston County, North Carolina (**Figure 1**). The site is developed commercial lot, approximately 0.34 acres in size. A single story structure, approximately 3,318 square feet in size is located on the property. The building is a slab-mounted, aluminum-sided with a pitched roof. The building was reportedly constructed in 1996. The site is currently served by municipal water and sewer, electric and natural gas utilities. Ground cover at the site is comprised of an asphalt parking lot and landscaped areas (**Figure 2**). The facility houses a veterinarian clinic dba The Pet Hospital. The property is owned by Dr. Robert Neunzig of Dallas, North Carolina.

2.0 *Neighboring Property Description*

The property is located at the intersection of East Virginia Avenue and Eighth Street within the city limits of Bessemer City, North Carolina. The immediate area around the target property is a mixture of commercial and residential properties. A total of seven properties are adjacent to the subject site. A single family residence and a vacant lot are contiguous the property to the north and east, respectively. A commercial strip mall and single family residence located across Eighth Street are adjacent to the property to the west and northwest, respectively. Adjacent to the property, south across East Virginia Avenue, are a residential property, a vacant commercial property and a former gas station and automobile repair facility, to the southeast, south and southwest respectively. A former textile mill is located approximately 350 feet west-southwest of the subject site. Photographs of the site and neighboring properties are provided in **Appendix A**. Environmental inspection forms detailing findings at the subject site and adjoining properties are provided in **Appendix B**.

3.0 *Geological Setting*

3.1 *Surficial Geology*

According to the 1985 Geologic Map of North Carolina, the site is located within the Kings Mountain Belt of intrusive rocks locally characterized as metamorphosed quartz diorite.

3.2 *Surficial Soils*

According to the United States Department of Agriculture, Soil Conservation Service's Web Soil Survey, the soils at the site are characterized as the Cecil Urban Complex of sandy clay loam, well drained with 2-10 percent slopes.

3.3 *Radon Potential*

GRI reviewed data concerning the potential for radon gas vapors at or near the subject site. The *United States EPA Map of Radon Zones* document (EPA-402-R-93-071) indicated the subject site, as well as all of Gaston County, is ranked as having a moderate geologic radon potential. The EPA map of radon zones for North Carolina ranks the Union County area as Zone 2 where it is predicted to have an average indoor radon screen potential between 2 to 4 picocuries per liter (pCi/L). The EPA's action level for radon gas is 4 pCi/L.

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1.0	<i>Property Description</i>	1
2.0	<i>Neighboring Property Description</i>	1
3.0	<i>Geological Setting</i>	1
4.0	<i>Site Inspection</i>	2
5.0	<i>Underground Storage Tanks</i>	2
6.0	<i>Hazardous Waste Generation</i>	2
7.0	<i>Historical Research</i>	2
8.0	<i>Regulatory Records Review</i>	3
9.0	<i>Interviews</i>	6
10.0	<i>Recommendations</i>	6
11.0	<i>References</i>	6
12.0	<i>Limitations</i>	7

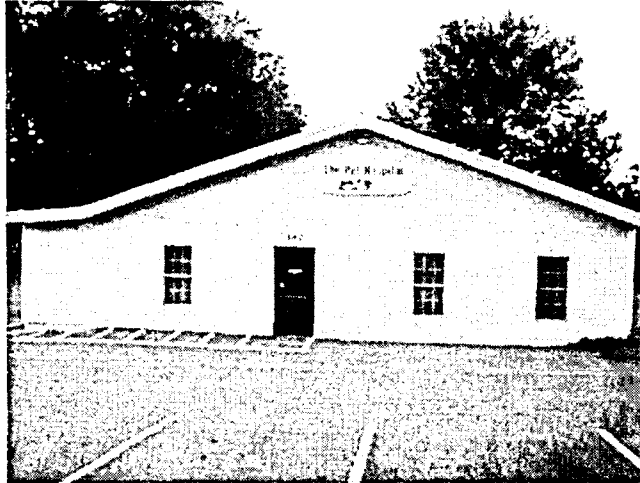
FIGURES

- Figure 1: Site Location Map
- Figure 2: Site Map
- Figure 3: Photograph Map

APPENDICES

- Appendix A: Photographs
- Appendix B: Inspection Forms
- Appendix C: Historical Aerial Photographs
- Appendix D: Historical Sanborn® Maps
- Appendix E: Environmental First Search Database Report
- Appendix F: Transaction Screen Questionnaire

ASTM 1528-06 TRANSACTION SCREEN
DR. LA STELLA PROPERTY
501 EAST VIRGINIA AVENUE
BESSEMER CITY, GASTON COUNTY
NORTH CAROLINA
BB&T PROJECT ID: ESA083265



Prepared for:

BB&T
Environmental Risk Management Department
Mail Code: 500-96-01-71
5130 Parkway Plaza Boulevard
Charlotte, North Carolina 28217

And:

Little Rock Servicing Center
U.S. Small Business Administration
220 Riverfront Drive
Little Rock, Arkansas 72022

Prepared by:

Geological Resources, Inc.
2301-F Crown Point Executive Drive
Charlotte, North Carolina 28227

November 5, 2008

A handwritten signature in dark ink, appearing to read 'Terry Kennedy', is written over a horizontal line. Below the line, the name 'Terry Kennedy, P.G.' is printed in a standard font.

Terry Kennedy, P.G.

EXECUTIVE SUMMARY

Workscope:	ASTM Designation E-1528-06 Transaction Screen
BB&T Project ID:	ESA083265
BB&T Banker:	John Imhoff 770.522.9289
Contractor:	Geological Resources, Inc.
Project Information:	Dr. John LaStella 501 East Virginia Avenue Bessemer City, North Carolina 704.629.5390
Gaston County PIN:	121580
Property Acreage:	0.34
No. of Buildings:	1
Year Constructed:	1996
Building Square Footage:	3,318
GRI Project Manager:	Terry Kennedy, P.G.
Date of Site Inspection:	October 21, 2008
On-site RECs:	0
Off-Site RECs:	2
On-site PECs:	0
Off-site PECs	1
Off-site REC#1:	Active LUST release on adjacent property to the southwest (Tony's Service Center).
Off-site REC#2:	Active ground water assessment for chlorinated solvents and other volatile organic compounds at the former Danalex textile mill located approximately 350 feet west-southwest of the subject site.
Off-site PEC:	Existing heating oil UST at adjacent property across Eighth Street to the northwest.
Recommendations:	Due to the close proximity of the active, adjacent LUST site located across East Virginia Avenue to the southwest and the active chlorinated solvent ground water release at the Danalex facility located approximately 350 feet west-southwest of the subject site, GRI recommends that a Phase II ESA be conducted at the site. A minimum of two ground water samples should be collected at the site along the southern and western property boundaries. Collected ground water samples should be analyzed by EPA Method 8260.

QUALIFIERS

Project: SAMPLING 11/19
Pace Project No.: 9232682

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

QUALITY CONTROL DATA

Project: SAMPLING 11/19
Pace Project No.: 9232682

LABORATORY CONTROL SAMPLE: 202812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	57.5	115	78-128	
Toluene	ug/L	50	55.6	111	76-126	
trans-1,2-Dichloroethene	ug/L	50	57.1	114	78-134	
trans-1,3-Dichloropropene	ug/L	50	60.1	120	75-125	
Trichloroethene	ug/L	50	56.7	113	79-127	
Trichlorofluoromethane	ug/L	50	57.7	115	76-148	
Vinyl acetate	ug/L	100	113	113	50-150	
Vinyl chloride	ug/L	50	67.1	134	67-143	
1,2-Dichloroethane-d4 (S)	%			96	79-120	
4-Bromofluorobenzene (S)	%			103	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			100	70-120	

QUALITY CONTROL DATA

Project: SAMPLING 11/19

Pace Project No.: 9232682

LABORATORY CONTROL SAMPLE: 202812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	81-125	
1,2-Dichlorobenzene	ug/L	50	56.7	113	82-126	
1,2-Dichloroethane	ug/L	50	54.0	108	72-126	
1,2-Dichloroethene (Total)	ug/L	100	115	115	50-150	
1,2-Dichloropropane	ug/L	50	55.9	112	80-127	
1,3,5-Trimethylbenzene	ug/L	50	58.0	116	73-118	
1,3-Dichlorobenzene	ug/L	50	57.1	114	82-124	
1,3-Dichloropropane	ug/L	50	53.2	106	79-124	
1,4-Dichlorobenzene	ug/L	50	56.0	112	79-125	
2,2-Dichloropropane	ug/L	50	66.9	134	58-140	
2-Butanone (MEK)	ug/L	100	95.4	95	50-134	
2-Chlorotoluene	ug/L	50	57.8	116	81-126	
2-Hexanone	ug/L	100	106	106	58-138	
4-Chlorotoluene	ug/L	50	59.9	120	82-126	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	118	118	50-146	
Benzene	ug/L	50	56.1	112	78-128	
Bromobenzene	ug/L	50	55.8	112	81-127	
Bromochloromethane	ug/L	50	58.0	116	73-124	
Bromodichloromethane	ug/L	50	54.7	109	81-125	
Bromoform	ug/L	50	59.0	118	71-125	
Bromomethane	ug/L	50	73.8	148	50-150	
Carbon tetrachloride	ug/L	50	58.0	116	81-137	
Chlorobenzene	ug/L	50	57.8	116	82-126	
Chloroethane	ug/L	50	66.9	134	69-140	
Chloroform	ug/L	50	56.9	114	77-129	
Chloromethane	ug/L	50	69.2	138	54-139	
cis-1,2-Dichloroethene	ug/L	50	58.4	117	76-133	
cis-1,3-Dichloropropene	ug/L	50	58.3	117	76-127	
Dibromochloromethane	ug/L	50	56.5	113	77-125	
Dibromomethane	ug/L	50	55.7	111	77-125	
Dichlorodifluoromethane	ug/L	50	72.2	144	50-150	
Diisopropyl ether	ug/L	50	53.2	106	74-131	
Ethylbenzene	ug/L	50	57.6	115	80-127	
Hexachloro-1,3-butadiene	ug/L	50	59.1	118	78-145	
Isopropylbenzene (Cumene)	ug/L	50	56.8	114	84-135	
m&p-Xylene	ug/L	100	116	116	82-127	
Methyl-tert-butyl ether	ug/L	50	51.9	104	71-130	
Methylene Chloride	ug/L	50	60.4	121	67-133	
n-Butylbenzene	ug/L	50	58.9	118	73-122	
n-Propylbenzene	ug/L	50	57.3	115	82-129	
Naphthalene	ug/L	50	58.1	116	52-136	
o-Xylene	ug/L	50	56.0	112	83-124	
p-Isopropyltoluene	ug/L	50	58.6	117	73-122	
sec-Butylbenzene	ug/L	50	55.7	111	82-131	
Styrene	ug/L	50	61.4	123	80-130	
tert-Butyl Alcohol	ug/L	500	509	102	50-150	
tert-Butylbenzene	ug/L	50	56.7	113	80-130	

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QUALITY CONTROL DATA

Project: SAMPLING 11/19

Pace Project No.: 9232682

METHOD BLANK: 202811

Matrix: Water

Associated Lab Samples: 9232682001, 9232682002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	11/23/08 17:03	
Diisopropyl ether	ug/L	ND	5.0	11/23/08 17:03	
Ethylbenzene	ug/L	ND	5.0	11/23/08 17:03	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/23/08 17:03	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/23/08 17:03	
m&p-Xylene	ug/L	ND	10.0	11/23/08 17:03	
Methyl-tert-butyl ether	ug/L	ND	5.0	11/23/08 17:03	
Methylene Chloride	ug/L	ND	5.0	11/23/08 17:03	
n-Butylbenzene	ug/L	ND	5.0	11/23/08 17:03	
n-Propylbenzene	ug/L	ND	5.0	11/23/08 17:03	
Naphthalene	ug/L	ND	5.0	11/23/08 17:03	
o-Xylene	ug/L	ND	5.0	11/23/08 17:03	
p-Isopropyltoluene	ug/L	ND	5.0	11/23/08 17:03	
sec-Butylbenzene	ug/L	ND	5.0	11/23/08 17:03	
Styrene	ug/L	ND	5.0	11/23/08 17:03	
tert-Butyl Alcohol	ug/L	ND	100	11/23/08 17:03	
tert-Butylbenzene	ug/L	ND	5.0	11/23/08 17:03	
Tetrachloroethene	ug/L	ND	5.0	11/23/08 17:03	
Toluene	ug/L	ND	5.0	11/23/08 17:03	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/23/08 17:03	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/23/08 17:03	
Trichloroethene	ug/L	ND	5.0	11/23/08 17:03	
Trichlorofluoromethane	ug/L	ND	10.0	11/23/08 17:03	
Vinyl acetate	ug/L	ND	10.0	11/23/08 17:03	
Vinyl chloride	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dichloroethane-d4 (S)	%	97	79-120	11/23/08 17:03	
4-Bromofluorobenzene (S)	%	103	87-109	11/23/08 17:03	
Dibromofluoromethane (S)	%	100	85-115	11/23/08 17:03	
Toluene-d8 (S)	%	100	70-120	11/23/08 17:03	

LABORATORY CONTROL SAMPLE: 202812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.9	112	83-125	
1,1,1-Trichloroethane	ug/L	50	56.3	113	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	73-127	
1,1,2-Trichloroethane	ug/L	50	53.5	107	77-123	
1,1-Dichloroethane	ug/L	50	56.4	113	76-129	
1,1-Dichloroethene	ug/L	50	59.9	120	78-146	
1,1-Dichloropropene	ug/L	50	56.1	112	79-134	
1,2,3-Trichlorobenzene	ug/L	50	56.5	113	70-150	
1,2,3-Trichloropropane	ug/L	50	52.4	105	72-125	
1,2,4-Trichlorobenzene	ug/L	50	58.4	117	68-127	
1,2,4-Trimethylbenzene	ug/L	50	58.3	117	78-138	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	65-128	

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QUALITY CONTROL DATA

Project: SAMPLING 11/19
Pace Project No.: 9232682

QC Batch: MSV/5351 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9232682001, 9232682002

METHOD BLANK: 202811 Matrix: Water
Associated Lab Samples: 9232682001, 9232682002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,1-Dichloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,1-Dichloroethene	ug/L	ND	5.0	11/23/08 17:03	
1,1-Dichloropropene	ug/L	ND	5.0	11/23/08 17:03	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/23/08 17:03	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dichloroethane	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	11/23/08 17:03	
1,2-Dichloropropane	ug/L	ND	5.0	11/23/08 17:03	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/23/08 17:03	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
1,3-Dichloropropane	ug/L	ND	5.0	11/23/08 17:03	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
2,2-Dichloropropane	ug/L	ND	5.0	11/23/08 17:03	
2-Butanone (MEK)	ug/L	ND	10.0	11/23/08 17:03	
2-Chlorotoluene	ug/L	ND	5.0	11/23/08 17:03	
2-Hexanone	ug/L	ND	10.0	11/23/08 17:03	
4-Chlorotoluene	ug/L	ND	5.0	11/23/08 17:03	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/23/08 17:03	
Acetone	ug/L	ND	25.0	11/23/08 17:03	
Benzene	ug/L	ND	5.0	11/23/08 17:03	
Bromobenzene	ug/L	ND	5.0	11/23/08 17:03	
Bromochloromethane	ug/L	ND	5.0	11/23/08 17:03	
Bromodichloromethane	ug/L	ND	5.0	11/23/08 17:03	
Bromoform	ug/L	ND	5.0	11/23/08 17:03	
Bromomethane	ug/L	ND	10.0	11/23/08 17:03	
Carbon tetrachloride	ug/L	ND	5.0	11/23/08 17:03	
Chlorobenzene	ug/L	ND	5.0	11/23/08 17:03	
Chloroethane	ug/L	ND	10.0	11/23/08 17:03	
Chloroform	ug/L	ND	5.0	11/23/08 17:03	
Chloromethane	ug/L	ND	5.0	11/23/08 17:03	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/23/08 17:03	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/23/08 17:03	
Dibromochloromethane	ug/L	ND	5.0	11/23/08 17:03	
Dibromomethane	ug/L	ND	5.0	11/23/08 17:03	

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: SAMPLING 11/19
Pace Project No.: 9232682

Sample: GP-2		Lab ID: 9232682002	Collected: 11/19/08 11:44	Received: 11/19/08 16:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Methyl-tert-butyl ether	3.7J	ug/L	5.0	1		11/23/08 23:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/23/08 23:22	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/23/08 23:22	103-65-1	
Styrene	ND	ug/L	5.0	1		11/23/08 23:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/23/08 23:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/23/08 23:22	79-34-5	
Tetrachloroethene	4.6J	ug/L	5.0	1		11/23/08 23:22	127-18-4	
Toluene	ND	ug/L	5.0	1		11/23/08 23:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/23/08 23:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/23/08 23:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/23/08 23:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/23/08 23:22	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/23/08 23:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/23/08 23:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/23/08 23:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/23/08 23:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/23/08 23:22	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/23/08 23:22	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/23/08 23:22	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/23/08 23:22	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		11/23/08 23:22	95-47-6	
4-Bromofluorobenzene (S)	99 %		87-109	1		11/23/08 23:22	460-00-4	
Dibromofluoromethane (S)	103 %		85-115	1		11/23/08 23:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	103 %		79-120	1		11/23/08 23:22	17060-07-0	
Toluene-d8 (S)	101 %		70-120	1		11/23/08 23:22	2037-26-5	

ANALYTICAL RESULTS

Project: SAMPLING 11/19

Pace Project No.: 9232682

Sample: GP-2		Lab ID: 9232682002		Collected: 11/19/08 11:44		Received: 11/19/08 16:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND ug/L		25.0	1		11/23/08 23:22	67-64-1		
Benzene	ND ug/L		5.0	1		11/23/08 23:22	71-43-2		
Bromobenzene	ND ug/L		5.0	1		11/23/08 23:22	108-86-1		
Bromochloromethane	ND ug/L		5.0	1		11/23/08 23:22	74-97-5		
Bromodichloromethane	ND ug/L		5.0	1		11/23/08 23:22	75-27-4		
Bromoform	ND ug/L		5.0	1		11/23/08 23:22	75-25-2		
Bromomethane	ND ug/L		10.0	1		11/23/08 23:22	74-83-9		
2-Butanone (MEK)	ND ug/L		10.0	1		11/23/08 23:22	78-93-3		
tert-Butyl Alcohol	ND ug/L		100	1		11/23/08 23:22	75-65-0		
n-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:22	104-51-8		
sec-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:22	135-98-8		
tert-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:22	98-06-6		
Carbon tetrachloride	ND ug/L		5.0	1		11/23/08 23:22	56-23-5		
Chlorobenzene	ND ug/L		5.0	1		11/23/08 23:22	108-90-7		
Chloroethane	ND ug/L		10.0	1		11/23/08 23:22	75-00-3		
Chloroform	ND ug/L		5.0	1		11/23/08 23:22	67-66-3		
Chloromethane	ND ug/L		5.0	1		11/23/08 23:22	74-87-3		
2-Chlorotoluene	ND ug/L		5.0	1		11/23/08 23:22	95-49-8		
4-Chlorotoluene	ND ug/L		5.0	1		11/23/08 23:22	106-43-4		
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		11/23/08 23:22	96-12-8		
Dibromochloromethane	ND ug/L		5.0	1		11/23/08 23:22	124-48-1		
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		11/23/08 23:22	106-93-4		
Dibromomethane	ND ug/L		5.0	1		11/23/08 23:22	74-95-3		
1,2-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:22	95-50-1		
1,3-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:22	541-73-1		
1,4-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:22	106-46-7		
Dichlorodifluoromethane	ND ug/L		5.0	1		11/23/08 23:22	75-71-8		
1,1-Dichloroethane	ND ug/L		5.0	1		11/23/08 23:22	75-34-3		
1,2-Dichloroethane	ND ug/L		5.0	1		11/23/08 23:22	107-06-2		
1,2-Dichloroethene (Total)	ND ug/L		5.0	1		11/23/08 23:22	540-59-0		
1,1-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:22	75-35-4		
cis-1,2-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:22	156-59-2		
trans-1,2-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:22	156-60-5		
1,2-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:22	78-87-5		
1,3-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:22	142-28-9		
2,2-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:22	594-20-7		
1,1-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:22	563-58-6		
cis-1,3-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:22	10061-01-5		
trans-1,3-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:22	10061-02-6		
Diisopropyl ether	ND ug/L		5.0	1		11/23/08 23:22	108-20-3		
Ethylbenzene	ND ug/L		5.0	1		11/23/08 23:22	100-41-4		
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		11/23/08 23:22	87-68-3		
2-Hexanone	ND ug/L		10.0	1		11/23/08 23:22	591-78-6		
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		11/23/08 23:22	98-82-8		
p-Isopropyltoluene	ND ug/L		5.0	1		11/23/08 23:22	99-87-6		
Methylene Chloride	ND ug/L		5.0	1		11/23/08 23:22	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		11/23/08 23:22	108-10-1		

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ANALYTICAL RESULTS

Project: SAMPLING 11/19
Pace Project No.: 9232682

Sample: GP-1		Lab ID: 9232682001	Collected: 11/19/08 11:17	Received: 11/19/08 16:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/23/08 23:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/23/08 23:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/23/08 23:06	103-65-1	
Styrene	ND	ug/L	5.0	1		11/23/08 23:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/23/08 23:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/23/08 23:06	79-34-5	
Tetrachloroethene	19.8	ug/L	5.0	1		11/23/08 23:06	127-18-4	
Toluene	ND	ug/L	5.0	1		11/23/08 23:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/23/08 23:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/23/08 23:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/23/08 23:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/23/08 23:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/23/08 23:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/23/08 23:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/23/08 23:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/23/08 23:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/23/08 23:06	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/23/08 23:06	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/23/08 23:06	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/23/08 23:06	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		11/23/08 23:06	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		11/23/08 23:06	460-00-4	
Dibromofluoromethane (S)	101	%	85-115	1		11/23/08 23:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		11/23/08 23:06	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		11/23/08 23:06	2037-26-5	

ANALYTICAL RESULTS

Project: SAMPLING 11/19
Pace Project No.: 9232682

Sample: GP-1		Lab ID: 9232682001	Collected: 11/19/08 11:17	Received: 11/19/08 16:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		11/23/08 23:06	67-64-1	
Benzene	ND ug/L		5.0	1		11/23/08 23:06	71-43-2	
Bromobenzene	ND ug/L		5.0	1		11/23/08 23:06	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		11/23/08 23:06	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		11/23/08 23:06	75-27-4	
Bromoform	ND ug/L		5.0	1		11/23/08 23:06	75-25-2	
Bromomethane	ND ug/L		10.0	1		11/23/08 23:06	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		11/23/08 23:06	78-93-3	
tert-Butyl Alcohol	ND ug/L		100	1		11/23/08 23:06	75-65-0	
n-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:06	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:06	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		11/23/08 23:06	98-06-6	
Carbon tetrachloride	ND ug/L		5.0	1		11/23/08 23:06	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		11/23/08 23:06	108-90-7	
Chloroethane	ND ug/L		10.0	1		11/23/08 23:06	75-00-3	
Chloroform	ND ug/L		5.0	1		11/23/08 23:06	67-66-3	
Chloromethane	ND ug/L		5.0	1		11/23/08 23:06	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		11/23/08 23:06	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		11/23/08 23:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		11/23/08 23:06	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		11/23/08 23:06	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		11/23/08 23:06	106-93-4	
Dibromomethane	ND ug/L		5.0	1		11/23/08 23:06	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:06	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:06	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		11/23/08 23:06	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		11/23/08 23:06	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		11/23/08 23:06	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		11/23/08 23:06	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		5.0	1		11/23/08 23:06	540-59-0	
1,1-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:06	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		11/23/08 23:06	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:06	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:06	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		11/23/08 23:06	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:06	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		11/23/08 23:06	10061-02-6	
Diisopropyl ether	ND ug/L		5.0	1		11/23/08 23:06	108-20-3	
Ethylbenzene	ND ug/L		5.0	1		11/23/08 23:06	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		11/23/08 23:06	87-68-3	
2-Hexanone	ND ug/L		10.0	1		11/23/08 23:06	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		11/23/08 23:06	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		11/23/08 23:06	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		11/23/08 23:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		11/23/08 23:06	108-10-1	

Date: 11/25/2008 12:42 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 12

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: SAMPLING 11/19
Pace Project No.: 9232682

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9232682001	GP-1	EPA 8260	DJM	72	PASI-C
9232682002	GP-2	EPA 8260	DJM	72	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 3 of 12

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CERTIFICATIONS

Project: SAMPLING 11/19
Pace Project No.: 9232682

Charlotte Certification IDs

Connecticut Certification Number: PH-0104
Pennsylvania Certification Number: 68-00784
West Virginia Certification Number: 357
Virginia Certification Number: 00213
Tennessee Certification Number: 04010
South Carolina Drinking Water Cert. Number: 990060003
South Carolina Certification Number: 990060001

North Carolina Field Services Certification Number: 5342
North Carolina Wastewater Certification Number: 12
North Carolina Drinking Water Certification Number: 37706
Louisiana/LELAP Certification Number: 04034
Kentucky UST Certification Number: 84
New Jersey Certification Number: NC012
Florida/NELAP Certification Number: E87627

Asheville Certification IDs

Connecticut Certification Number: PH-0106
Massachusetts Certification Number: M-NC030
West Virginia Certification Number: 356
Virginia Certification Number: 00072
Tennessee Certification Number: 2980
South Carolina Bioassay Certification Number: 99030002
South Carolina Certification Number: 99030001

Pennsylvania Certification Number: 68-03578
North Carolina Bioassay Certification Number: 9
North Carolina Wastewater Certification Number: 40
North Carolina Drinking Water Certification Number: 37712
New Jersey Certification Number: NC011
Louisiana/LELAP Certification Number: 03095
Florida/NELAP Certification Number: E87648

Eden Certification IDs

Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

North Carolina Drinking Water Certification Number: 37738

REPORT OF LABORATORY ANALYSIS

Page 2 of 12

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 25, 2008

Mrs. Carrie Kennedy
Geological Resources, Inc
2301 Crown Point Executive Drive
Suite F
Charlotte, NC 28227

RE: Project: SAMPLING 11/19
Pace Project No.: 9232682

Dear Mrs. Kennedy:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Erin Waters

erin.waters@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 12

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Sample Condition Upon Receipt

Client Name GRI

Project # 9232682

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used T060

Type of Ice: ☒ Wet ☐ Blue ☐ None

☐ Samples on ice, cooling process has begun

Cooler Temperature 40

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MM/11/19

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: GW

Date: 11/19/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

APPENDIX B

Laboratory Analytical Report-Ground Water Samples

Geological Resources, Inc.
2301-F Crown Point Executive Drive
Charlotte, NC 28227

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	501 East Virginia Avenue		
Address	501 East Virginia Avenue, Bessemer City, NC		
Boring Number	GP-2	Date Drilled	11/19/08
Sample Method	Grab	Drilling Method	Direct Push
Completion Details	Tempoary Well Abandoned		
Driller	Brown Environmental	Log By	Kennedy

Depth		Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0					
2					
4					
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					
26					
28					
30					
32					
34					
36					
38		GP-2	38		TD 38'
40					

Geological Resources, Inc.
2301-F Crown Point Executive Drive
Charlotte, NC 28227

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	501 East Virginia Avenue		
Address	501 East Virginia Avenue, Bessemer City, NC		
Boring Number	GP-1	Date Drilled	11/19/08
Sample Method	Grab	Drilling Method	Direct Push
Completion Details	Temporary Well Abandoned		
Driller	Brown Environmental	Log By	Kennedy

Depth		Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0					
2					
4					
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					
26					
28					
30					
32					
34					
36					
38		GP-1	38		TD 38'
40					

APPENDIX A

Boring Logs

<p align="center">TABLE I SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS 501 EAST VIRGINIA AVENUE BESSEMER CITY, NC</p>				
Date : 11/24/2008				
Analytical Method →			8260	
Contaminant of Concern →			MTBE	Tetrachloroethane
Sample ID	Date Collected	Phase		
GP-1	11/19/2008	Phase II ESA	<5.0	19.8
GP-2	11/19/2008	Phase II ESA	3.7J	4.6J
2L Standard (µg/l)			200	0.7
GCL (µg/l)			200,000	700

Notes:

- Results reported in µg/l.
- 2L Standard: Maximum allowable concentrations (MACs) as specified in T15A NCAC 2L.0202.
- GCL: Gross Contamination Level as specified in T15A NCAC 2L.0202.
- <: Less than the method detection specified in the laboratory report.
- Concentrations in **bold face type** exceed the MACs; concentrations in **bold face type and italics** exceed the GCLs.
- J: Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

TABLE

LEGEND

--- PROPERTY LINE
 x-x-x FENCE
 ● GEOPROBE

3.7 J	MTBE
4.6 J	TETRACHLOROETHANE

CONTAMINANT DATA IN $\mu\text{g/l}$



GRASS

BUILDING

EIGHTH ST.

3.7 J
4.6 J

GP-2

ASPHALT
PARKING AREA

GP-1

3.7 J
4.6 J

E. VIRGINIA AVE



Geological Resources, Inc.

0 15 30 60



(IN FEET)

1 inch = 30 ft.

GROUND WATER QUALITY MAP (11/19/08)

The Pet Hospital

501 East Virginia Ave

Bessemer City, Gaston, NC

Incident # N/A

Date:

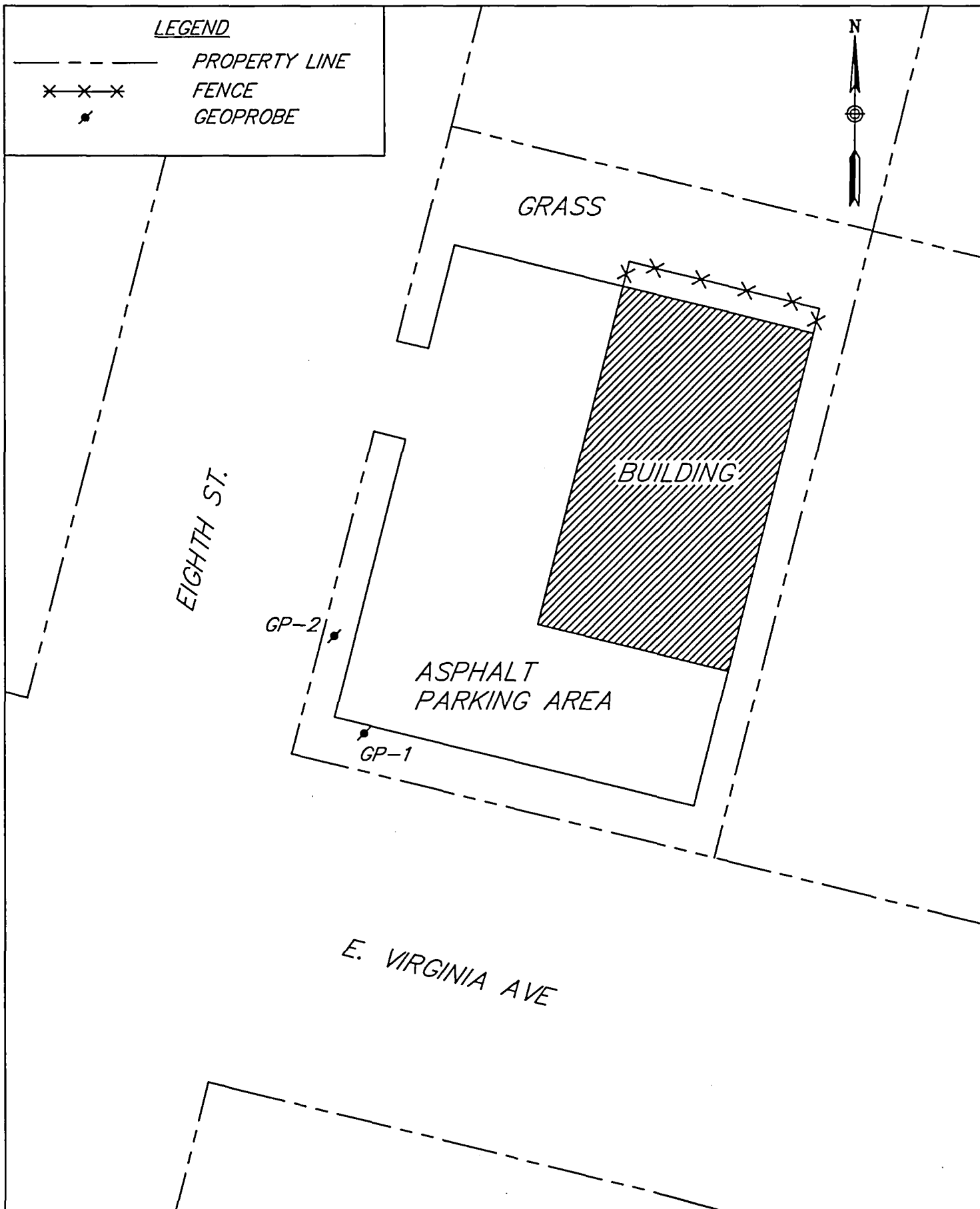
10/31/08

Drawn by:

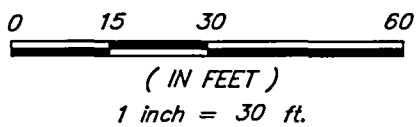
CDY

Figure:

3



Geological Resources, Inc.



SITE MAP

The Pet Hospital		501 East Virginia Ave	
Bessemer City, Gaston, NC		Incident # N/A	
Date:	10/31/08	Drawn by:	CDY
		Figure:	2

Copyright (C) 1997, Maptech, Inc.

FIGURES

recommends that the PCE release be reported to the NCDENR's Inactive Hazardous Sites Branch. Although the MTBE is below the MAC it is still a reportable release and should be reported to the NCDENR's Underground Storage Tank Section. Both releases should be reported within 24 hours. Determination of the responsible party or parties for the release(s) should be obtained from the NCDENR.

5.0 Limitations

The work performed in conjunction with this study and the data developed are intended to describe information available on the specified dates and locations. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at locations not investigated.

GRI has based its assessment upon prior site history through interviews, available records, and conditions and activities observable during a physical site inspection. This report is not intended to determine whether soil contamination or waste emplacement may exist at the site. Such determinations would require comprehensive subsurface exploration and additional sampling activities.

1.0 Site History

In October, 2008 Geological Resources, Inc. conducted an ASTM Designation E-1528-06 Transaction Screen at the property identified as Gaston County parcel number 121580. The target property is located at 501 East Virginia Avenue in Bessemer City, Gaston County, North Carolina (**Figure 1**). Two off-site recognized environmental conditions (RECs) were identified during the Transaction Screen activities. The two RECs were identified as an active LUST site located across East Virginia Avenue to the southwest and an active chlorinated solvent ground water release at the Danalex facility located approximately 350 feet west-southwest of the subject site, respectively. GRI recommended a Phase II Environmental Assessment to determine if chemicals of concern from the REC sites had affected the target property.

2.0 Phase II Subsurface Activities

GRI personnel supervised the installation of temporary ground water screening points at the subject site. The two ground water screening points were installed into the water table utilizing Geoprobe™ direct push techniques. The two ground water screening points were installed at the site along the southern and western property boundaries (**Figure 2**). Ground water samples were collected from each sampling point and submitted to a North Carolina certified laboratory for rush turnaround analyses of volatile organic compounds by EPA Method 8260. Subsequent to sample collection each sampling point was properly abandoned. Boring logs for the temporary ground water sampling points are provided in **Appendix A**.

3.0 Ground Water Analytical Results

Based upon the laboratory analytical report, detectable concentrations of 19.8 micrograms per liter (µg/L) and 4.6 µg/L of tetrachloroethene (PCE) were reported in ground water quality samples GP-1 and GP-2, respectively. Both concentrations of PCE exceeded the NCDENR's maximum allowable concentration (MAC) specified in T15A NCAC 2L .0202. A detectable concentration of MTBE was reported in the ground water quality sample collected from GP-2. However, the concentration of MTBE was below the MAC. A ground water quality map based upon the November 19, 2008 sampling event is provided as **Figure 3**. A summary of the ground water quality analyses is presented in **Table 1**. A copy of the laboratory analytical report and chain of custody are attached as **Appendix B**.

4.0 Conclusions and Recommendations

The subject property has been affected by a release of volatile organic compounds. A ground water quality violation currently exists at the site. PCE exceeding the NCDENR's MAC was detected in both collected ground water samples. PCE is a volatile organic compound and typically found in solvents. The source of the PCE is unknown; however, there is a documented chlorinated solvent release in close proximity to the subject site. A detectable concentration of MTBE below MAC was reported in sample GP-2. MTBE is a compound used in gasoline and likely originated from the LUST site located across East Virginia Avenue from the subject site.

Since there has been no documentation that either PCE or MTBE were ever used at the subject site, GRI

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1.0	Site History	1
2.0	Phase II Subsurface Activities	1
3.0	Ground Water Analytical Results	1
4.0	Conclusions and Recommendations	1
5.0	Limitations.....	2

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Map
Figure 3:	Ground Water Quality Map 11/19/2008

TABLE

Table 1:	Ground Water Sample Analytical Results
----------	--

APPENDICES

Appendix A:	Soil Boring Logs
Appendix B:	Laboratory Analytical Report-Ground Water samples

EXECUTIVE SUMMARY

Workscope: Phase II Environmental Assessment
BB&T Project ID: ESA083265
BB&T Banker: John Imhoff
770.522.9289
Contractor: Geological Resources, Inc.
Project Information: Dr. John LaStella
501 East Virginia Avenue
Bessemer City, North Carolina
704.629.5390
Gaston County PIN: 121580
Property Acreage: 0.34
No. of Buildings: 1
Year Constructed: 1996
Building Square Footage: 3,318
GRI Project Manager: Terry Kennedy, P.G.
Work Scope: GRI collected two ground water samples (GP-1 and GP-2) from temporary monitoring wells installed on the southwestern and western property boundaries on November 19, 2008. Collected ground water samples were analyzed by EPA Method 8260.

Findings:

Sample	Date	Tetrachloroethene	MTBE
GP-1	11/19/08	19.8 µg/L	<5.0 µg/L
GP-2	11/19/08	4.6J µg/L	3.7J µg/L
NC Maximum Allowable Concentration		0.7 µg/L	200 µg/L

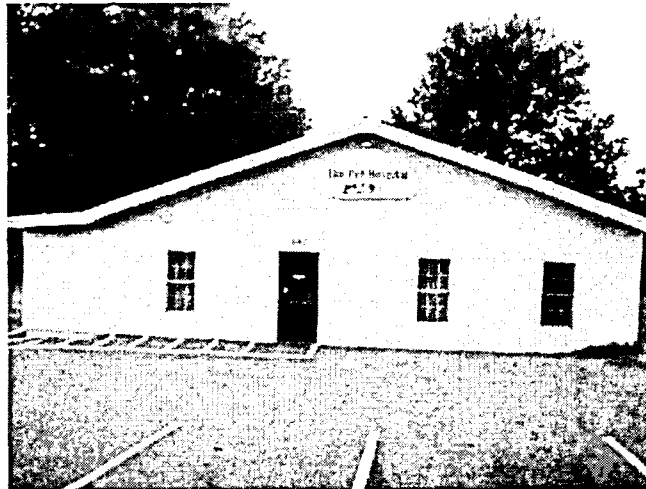
Conclusions:

The subject property has been affected by a release of volatile organic compounds. A ground water quality violation exists at the site. Tetrachloroethene (PCE) exceeding the NCDENR's maximum allowable concentration (MAC) was detected in both collected ground water samples. PCE is a volatile organic compound and typically found in solvents. The source of the PCE is unknown however there is a documented chlorinated solvent release in close proximity to the subject site. A detectable concentration of MTBE below Mac was reported in sample GP-2. MTBE was a compound used in gasoline and likely originated from the LUST site located across E. Virginia Avenue from the subject site.

Recommendations:

Since there has been no documentation that either PCE or MTBE were ever used at the subject site, GRI recommends that the PCE release be reported to the NCDENR's Inactive Hazardous Sites Branch and that the MTBE release be reported to the NCDENR's Underground Storage Tank Section. A request for indemnification and/or determination of the responsible party or parties for the release(s) should be attained from the NCDENR.

PHASE II ENVIRONMENTAL SITE ASSESSMENT
DR. LA STELLA PROPERTY
501 EAST VIRGINIA AVENUE
BESSEMER CITY, GASTON COUNTY
NORTH CAROLINA
BB&T PROJECT ID: ESA083265



Prepared for:

BB&T
Environmental Risk Management Department
Mail Code: 500-96-01-71
5130 Parkway Plaza Boulevard
Charlotte, North Carolina 28217

And:

Little Rock Servicing Center
U.S. Small Business Administration
220 Riverfront Drive
Little Rock, Arkansas 72022

Prepared by:

Geological Resources, Inc.
2301-F Crown Point Executive Drive
Charlotte, North Carolina 28227

November 25, 2008



Terry Kennedy, P.G.

Subject: Dr. Neunzig's Property
From: "Anita Lingafelt" <Anita.Lingafelt@co.gaston.nc.us>
Date: Mon, 8 Dec 2008 07:33:31 -0500
To: <george.adams@ncmail.net>

Hi George,

Dr. Neunzig ask me to forward this report for you to review.

Samantha Dye
704-853-5200

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ESA083265 - DR LA STELL.vX.pdf	Content-Description: ESA083265 - DR LA STELL.vX.pdf Content-Type: application/octet-stream Content-Encoding: base64
---------------------------------------	--

Subject: FW: Dr. La Stella Transaction Screen & Phase II Environmental Site Assessment Reports
From: "Samantha Dye" <Samantha.Dye@co.gaston.nc.us>
Date: Fri, 5 Dec 2008 15:57:41 -0500
To: <george.adams@ncmail.net>

Sam

Samantha Dye, R.S.
Gaston County Environmental Health Program Supervisor
Phone: 704-853-5230 or 704-853-5200
Fax: 704-853-5231
Website: www.gastonpublichealth.org

From: CR Kennedy [mailto:carriekennedy@geologicalresourcesinc.com]
Sent: Friday, December 05, 2008 2:00 PM
To: Samantha Dye
Cc: TD Kennedy; Lisa Kennedy
Subject: Dr. La Stella Transaction Screen & Phase II Environmental Site Assessment Reports

Dear Ms. Dye,

Per Dr. LaStella's request, please find attached the Transaction Screen report for your review. The Phase II ESA will follow shortly. I do not think these will both send well together.

Please contact me if you need further assistance.

Carrie R. Kennedy
Administrative Director

Geological Resources, Inc.

2301-F Crown Point Executive Drive
Charlotte, NC 28227
(704) 845-4010; fax (704) 845-4012
carriekennedy@geologicalresourcesinc.com

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Dr. La Stell Property; Transaction Screen; FINAL PDF.pdf

Content-Description:	Dr. La Stell Property; Transaction Screen; FINAL PDF.pdf
Content-Type:	application/octet-stream
Content-Encoding:	base64



TERRAINE

Environmental Consulting

*optimization
through
innovation*

Limited Site Assessment Report – Phase I Incident No. 18088

Former Tony's Service Station

**422 East Virginia Avenue
Bessemer City, North Carolina
Gaston County**

**Latitude: 35.283361° N
Longitude: 81.276956° W**

Prepared For:

North Carolina Department of Environment and Natural Resources
1637 Mail Service Center
Raleigh, North Carolina 27699-1637

Prepared By:

Terraine, Inc.
600 Towne Centre Blvd. Suite 103
Pineville, North Carolina 28134
www.terrine.com

NCDENR Contract No. N05015-5C
Terraine Project No. 05-NCSL-126

May 24, 2007

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Table 2	Summary of Soil Analytical Results	App A
Table 3	Summary of Groundwater Analytical Results	App A

Figures

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Figure 2	Aerial Site Photograph	App B
Figure 3	Site Map	App B
Figure 4	Water Supply Wells Within 1,500 Feet	App B
Figure 5	Soil Boring Location & Analytical Data Map	App B
Figure 6	Monitoring Well Location & Analytical Data Map	App B

Appendices

Appendix A Tables

Appendix B Figures

Appendix C Returned Water Supply Well Information Surveys

Appendix D Boring Log Key
Soil Boring Log
Well Construction Record

Appendix E Soil Sample Chain of Custody Form
Soil Sample Certificates of Analyses
Groundwater Sample Chain of Custody Form
Groundwater Sample Certificates of Analyses

Acronyms

bsg	Below surface grade
DPT	Direct Push Technology
EPA	Environmental Protection Agency
GCL	Gross Contamination Level
IPE	Diisopropyl ether
MADEP	Massachusetts Department of Environmental Protection
mg/kg	Milligrams per kilogram
MRL	Method reporting limit
MSCC	Maximum Soil Contaminant Concentration
MTBE	Methyl tert-butyl ether
ND	None detected (below method reporting limits)
NE	No standard established
ppb	Parts per billion
Terraine	Terraine, Inc.
UST	Underground storage tank
VOCs	Volatile organic compounds
VPH	Volatile petroleum hydrocarbons
2L	15A NCAC 2L .0202

I. Signature Page

We, the undersigned, do hereby affirm that the information contained in this report is accurate and correct to the best of our knowledge and belief.

Channa Pickett

5/24/2007

Channa Pickett
Staff Scientist
Terraine, Inc.

Date

Daniel M. Hockett

5/24/2007

Daniel Hockett
Project Manager
Terraine, Inc.

Date

Kimberly S. Caudill

5/24/2007

Kimberly S. Caudill, P.G.
North Carolina Registered Geologist # 2074
Senior Geologist
Terraine, Inc.

Date



II. General Site Information

A. Facility Information

Facility Name: Former Tony's Service Station
UST Incident #: 18088
Facility address and county:
422 East Virginia Avenue
Bessemer City, NC 28016

B. Current Property Owner

Phyllis P. Cheshire
2125 Landfall Way
John's Island, SC 29455

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Phyllis P. Cheshire
2125 Landfall Way
John's Island, SC 29455
(843) 768-2026

Contacted 2/27/08 11:33a

*Verbally indicated
that she no longer
owns the property.*

2. Name, address, telephone number of primary consultant:

Terraine, Inc. (Terraine)
600 Towne Centre Blvd., Suite 103
Pineville, NC 28134
(800) 531-1242

3. Name, address, telephone number, and State certification number of laboratory:

TestAmerica, Inc. - North Carolina State Certification #387
2960 Foster Creighton Drive
Nashville, TN 37204
(615) 726-0177

D. Release and UST Information

The former Tony's Service Station property is located at 422 East Virginia Avenue, Bessemer City in Gaston County, North Carolina (Figures 1 and 2, Appendix B). A used automobile sales shop currently operates at the property. Two 4,000-gallon gasoline underground storage tanks (USTs) were installed in 1966, and one 2,000-gallon gasoline UST was installed in 1986 (Figure 3). The UST system was last used on October 25, 1997. A release was believed to have occurred prior to the in-place closure of the UST system on November 4, 1997 by CBM Environmental Services, Inc. Laboratory analytical results of soil samples collected in the vicinity of the USTs, product lines, and dispenser island during closure activities indicated concentrations of total petroleum hydrocarbons (gasoline range organics) that exceeded the Maximum Soil Contaminant Concentration (MSCC) soil to groundwater standards. No further investigative or remedial activities have occurred at the site since 1997.

III. Risk Characterization

A. Groundwater / Surface water / Vapor Impacts

High Risk

1. *Has the discharge or release contaminated any water supply wells including any used for non-drinking purposes?*

No impacted water supply wells have been reported. Municipal water supplied by Bessemer City is available and utilized by the subject site and surrounding properties.

2. *Is a water well used for drinking water located within 1,000 feet of the source area of the discharge or release?*

No. A site reconnaissance conducted by Terraine on April 26, 2007 did not identify any water supply wells within 1,500 feet of the source area (Figure 4).

3. *Is a water supply well used for any purpose (e.g. irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release or discharge?*

No. No water supply wells were identified within 250 feet of the source area.

4. *Does groundwater within 500 feet of the source area of the discharge or release have the potential for future use in that there is no other source of water supply other than the groundwater?*

No. Public water is utilized by all surrounding properties.

5. *Do vapors from the discharge or release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety, or the environment?*

No. The source area is currently paved with asphalt. Basements or other subsurface structures were not observed at the subject site. Therefore, vapors do not pose a significant threat at the subject site.

6. *Are there any other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment?*

No, there are no other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment.

Intermediate Risk

7. *Is a surface water body located within 500 feet of the source area of the discharge or release? If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?*

No. The closest surface water body is an unnamed tributary of the Long Creek that is located approximately 1,700 feet to the northwest of the source area.

8. *Is the source area of the discharge or release located within a designated wellhead protection area as defined in 42 USC 300h-7(e)?*

No, the source area of the release is not located in a designated wellhead protection area.
http://wse20.deh.ehnr.state.nc.us/swap_app/viewer.htm

9. *Is the discharge or release located in the Coastal Plain Physiographic Region as designated on a map entitled "Geology of North Carolina" published by the department in 1985? If YES, is the source area of the release located in an area in which there is recharge to an unconfined or semi-confined deep aquifer that is being used or may be used as a source of drinking water?*

No, the site is not located within the Coastal Plain Physiographic Region.
<http://www.blm.gov/wildlife/pifplans.htm>

10. *Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established by the Department?*

No. A summary of the groundwater analytical results from April 26, 2007 is available in **Table 3, Appendix A.**

B. Property Containing Source area of Release Land Use

1. *Does the property contain one or more primary or secondary residences (permanent or temporary)?*

No. The nearest primary residence is located at 104 South Eighth Street approximately 120 feet south of the subject site (**Figure 2**).

2. *Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?*

No. A used automobile sales shop currently operates at the subject property. Bessemer City Boys and Girls Club is located approximately 550 feet northwest of the source area.

3. *Does the property contain a commercial (e.g. retail, warehouse, office/building space, etc.) or industrial (e.g. manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?*

Yes, a used automobile sales shop operates at the site.

4. *Do children visit the property?*

Children, accompanied by adults, may visit the site since it is currently a used automobile sales shop.

5. *Is access to the property reliably restricted consistent with its use (e.g. By fences, security personnel, or both)?*

The property is a used automobile sales shop, and access to the site is not restricted.

6. *Do pavement, buildings, or other structures cap the contaminated soil? If YES, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?*

Yes. The former tank area is paved with asphalt.

7. *What is the zoning status of the property?*

The parcel is zoned B-3 for general business.

8. *Is the use of the property likely to change in the next 20 years?*

Future site plans are unknown at this time. However, the property is zoned for general business and will likely remain in commercial use.

C. Property Surrounding Source Area of Discharge or Release

1. *What is the distance from the source area of the discharge or release to the nearest primary or secondary residence (permanent or temporary)?*

The nearest primary residence is located at 104 South Eighth Street approximately 120 feet south of the subject site (**Figure 2**).

2. *What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?*

Bessemer City Boys and Girls Club is located approximately 550 feet northwest of the source area.

3. *What is the zoning status of the properties in the surrounding area?*

In general, properties to the west and south of the site are zoned B-3 for central business district. Properties to the east and north are zoned RMF and R-5 for high and medium density residential use, respectively.

4. *Briefly characterize the use and activities of the land in the surrounding area.*

Land usage in the surrounding area is a mix of commercial and residential properties. Commercial properties operate to the immediate north, south, east, and west of the site. A large industrial property is located west of the site. High and medium density residences are located further north, south, and east of the site (**Figure 2**). The Southern Railroad operates to the south of the subject site (**Figure 1**).

IV. Receptor Information

A. Water Supply Wells

Well survey forms were mailed to all property owners within a 500-foot radius of the site in April 2007. Forms that were completed and returned are included in Appendix C. A site reconnaissance for water supply wells and other receptors within 1,500 feet of the site was conducted on April 26, 2007. No water supply well were identified with 1,500 feet of the source area during site reconnaissance (Figure 4).

B. Municipal Water Supply

Are public water supplies available within 1,500 feet of the source area of the release?

Yes, municipal water supplied by Bessemer City is available and utilized in the area.

C. Surface Water

Identify all surface water bodies (eg. Ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release.

The closest surface water body is an unnamed tributary of the Long Creek located 1,700 feet northwest of the source area.

D. Wellhead Protection Areas

Identify all planned or approved wellhead protection areas (eg. Ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map. Wellhead protection areas are define in 42 USC 300h-7(e).

No wellhead protection areas, as defined by 42 USC 300h-7(e), exist within 1,500 feet of the source area of the release (http://wse20.deh.ehnr.state.nc.us/swap_app/viewer.htm).

E. Physiographic Province

The site is located in the Kings Mountain Belt in an area characterized by metamorphosed quartz diorite with foliate to massive structures.

F. Subsurface Structures

No subsurface structures were identified during site reconnaissance on April 26, 2007. The site building was constructed on a concrete slab.

G. Property Owners and Occupants

A barber shop operates on the property west of the subject site. Private, single-family residences are located on the properties south of the subject site. East Virginia Avenue and South Eighth Street border the subject property to the north and east, respectively. A summary of contiguous property owners is listed in Table 1. Figure 2 illustrates the surrounding properties.

V. Geology and Hydrology

During well installation activities performed at the site on April 16, 2007, dark brown to black and orange-red clay were encountered from 0 to 5 feet below surface grade (bsg) in soil boring SB-1. Tight, orange-red clay was observed from 5 to 7.5 feet bsg. Saprolite and red-orange clayey sand with relict banding and slight limonitic staining persisted from 7.5 to 20 feet bsg. A dark brown-black band was noted at 14.5 feet bsg and heavy limonitic staining was observed between 15 and 25 feet bsg. At 16 feet bsg, the soil was moist. Sandy clay with heavy limonitic staining was reported from 20 to 22.5 feet bsg. A band of moist, grey-olive silt between 22.5 and 24 feet bsg was recorded. From 24 to 25.5 feet bsg, damp saprolite and silty clay with relict banding and limonitic staining was observed. Grey-olive sandy clay with rock fragments as large as ½" in diameter and thin, coarse sand layers were encountered from 25.5 to 30 feet bsg. Saturated soil conditions were noted at 26 feet bsg. Upon completion of monitoring well MW-1, the water level was measured at 26.33 feet below top of casing in monitoring well MW-1. Based on topography, groundwater flow at the site is believed to be toward the northwest.

VI. Investigative Procedures

A. Soil Sampling

Terraine personnel mobilized to the site on April 16, 2007 to install a soil boring adjacent to the UST basin. **Figure 3** shows the location of SB-1. The boring was advanced with a track-mounted direct push technology (DPT) Geoprobe® 6610DPT using a device that allows for continuous soil core sampling in five foot sections. Soil boring SB-1 was advanced to a depth of 30 feet bsg. Saturated conditions were observed at a depth of 26 feet bsg. Upon retrieval of the soil core, the soil samples were logged for physical characteristics, and portions were sealed in re-sealable plastic bags. The bagged portions were allowed to volatilize for a minimum of five minutes, after which the headspace within the bags was field-screened for the presence of volatile organic vapors with a calibrated Heath Instruments™ flame-ionization detector. No volatile organic vapors were detected in any of the soil samples. Soil samples were selected for laboratory analyses at intervals of 5 to 10 feet bsg, 10 to 15 feet bsg, 15 to 20 feet bsg, and 20 to 25 feet bsg. Soil samples were collected and submitted under proper chain of custody controls to the TestAmerica, Inc. laboratory in Nashville, Tennessee for analysis by:

- Environmental Protection Agency (EPA) method 8260B for volatile organic compounds (VOCs), modified to include diisopropyl ether (IPE) and methyl tert-butyl ether (MTBE)
- Massachusetts Department of Environmental Protection (MADEP) method for volatile petroleum hydrocarbons (VPH)

B. Groundwater Sampling

Soil boring SB-1 was converted to a Type II groundwater monitoring well, MW-1, on April 16, 2007. **Figure 3** illustrates the monitoring well location relative to other site features. The total depth of the well was 30 feet bsg, with the screen set between 15 feet and 30 feet bsg. The well was of standard Type II construction, which included 15 feet of 2-inch diameter, 0.010-inch slotted PVC screen and 15 feet of 2-inch diameter PVC riser. A #2 sand filter was placed around the annulus of the well to a depth 13 feet bsg. High-yield bentonite chips were placed above the sand pack from a depth of 13 feet bsg to a depth of 3 feet bsg. A neat cement grout annular sealant was placed above the bentonite seal from a depth of 3 feet bsg to near surface grade. The well was capped with a locking expansion plug and protected with a flush-mount, bolt-down, 8-inch diameter manhole cover. The well was finished with a sloping concrete apron around the manhole cover to reduce water infiltration during rainfall events. A well construction diagram is included in **Appendix D**.

On April 26, 2007, after obtaining the depth-to-water measurement, monitoring well MW-1 was developed by hand bailing until drill cuttings were removed to the extent possible. The initial depth to groundwater was measured as 25.65 feet bsg. A total of 3 gallons were removed during the development process. A groundwater sample was then collected with a new disposable bailer. The groundwater sample was transferred to laboratory-prepared containers and submitted under proper chain of custody controls to the TestAmerica, Inc. laboratory in Nashville, Tennessee for the following analyses:

- EPA Method 6210D for VOCs, modified to include IPE, MTBE, and 1,2-dibromoethane
- MADEP VPH

VII. Sampling Results

A. Soil Sampling Results

According to laboratory analytical results of soil samples collected from soil boring SB-1 on April 16, 2007, benzene (0.00985 mg/kg) exceeded the MSCC soil-to-groundwater standard in the soil sample collected from soil boring SB-1 (20-25 feet bsg). No target contaminants exceeded the Industrial Commercial Cleanup Levels in the soil samples collected from soil boring SB-1. A summary of the analytical results of soil boring SB-1 is presented in **Table 2**. **Figure 5** depicts the soil boring locations and summarizes the soil analytical results. The soil boring log is included in **Appendix D**. Laboratory certificates of analyses and the chain of custody form are included in **Appendix E**.

B. Groundwater Sampling Results

The benzene concentration (14 µg/L) detected in the groundwater sample collected from monitoring well MW-1 on April 26, 2007 exceeded the 15A NCAC 2L .0202 (2L) groundwater standard by a factor of ten. No contaminant concentrations exceeded the Gross Contaminant Levels (GCLs). A summary of the analytical results for the groundwater sample collected is presented in **Table 3**. **Figure 6** illustrates the monitoring well location and provides a summary of the groundwater analytical data. Laboratory certificates of analyses and the chain of custody form are included in **Appendix E**.

VIII. Conclusions and Recommendations

A. Conclusions

Laboratory analysis detected benzene in excess of the soil-to-groundwater MSCC in the soil sample collected from soil boring SB-1 (20-25 feet bsg) on April 16, 2007. In general, target contaminant concentrations were highest in the soil samples collected at 20-25 feet bsg. No target contaminants exceeded the Industrial Commercial Cleanup Levels.

Laboratory analysis of the groundwater sample collected from monitoring well MW-1 on April 26, 2007 indicated benzene concentrations in excess of the 2L standard by a factor of ten.

According to regulations established in 15A NCAC 2L .0115, the subject site meets none of the high or intermediate risk criteria. Although the benzene concentration detected in the groundwater sample collected from monitoring well MW-1 exceeded the 2L standard, no receptors were identified during site investigations and no concentrations of target contaminants were detected in excess of the GCLs. Therefore, the subject site should be designated as low risk. Based on current zoning and use of the site, a commercial/industrial land use classification should be assigned.

B. Recommendations

Since the site is low risk and the residual soil contamination is capped by concrete and asphalt, Terrain recommends the site for "No Further Action" status with a deed restriction and possible soil and groundwater restrictions.

IX. References

CBM Environmental Services, Inc. *Underground Storage Tank Closure Report – Tony's Service Station*.
December 9, 1997.

Appendix A

Table 1	Contiguous Property Owners
Table 2	Summary of Soil Analytical Results
Table 3	Summary of Groundwater Analytical Results

Table 1
Contiguous Property Owners

Former Tony's Service Center
422 East Virginia Avenue
Bessemer City, NC
Gaston County
Incident No.: 18088

PARCEL ID	PROPERTY OWNER	MAILING ADDRESS	CITY	STATE	ZIP CODE	PROPERTY ADDRESS
121487	JESSIE ARMSTRONG	421 E PENNSYLVANIA AVE	BESSEMER CITY	NC	28016	421 E PENNSYLVANIA AVE
121488	JESSIE ARMSTRONG	422 E PENNSYLVANIA AVE	BESSEMER CITY	NC	28016	E PENNSYLVANIA AVE
121496	PATTERSON OIL CO	2125 LANDFALL WAY	JOHNS ISLAND	SC	29455	420 E VIRGINIA AVE
121498	LEWIS COX	PO BOX 956	BESSEMER CITY	NC	28016	104 S 8TH ST

Table 2
Summary of Soil Analytical Results

Former Tony's Service Center
422 East Virginia Avenue
Bessemer City, NC
Gaston County
Incident No.: 18088

Sample ID: Depth: Sample Date: Sample Time:	SB-1 5-10 4/16/07 15:05	SB-1 10-15 4/16/07 15:20	SB-1 15-20 4/16/07 15:35	SB-1 20-25 4/16/07 15:50	MSCC (soil to groundwater)	Industrial Commercial Cleanup Levels
MADEP VPH						
MTBE	0.184	ND	0.177	0.299	0.92	1,908
Benzene	ND	ND	ND	ND	0.0056	164
Toluene	ND	ND	ND	ND	7.3	82,000
Ethylbenzene	ND	ND	ND	ND	4.6	40,000
Xylenes	ND	ND	ND	ND	5	81,760
Naphthalene	ND	ND	ND	ND	0.58	8,176
C5-C8 Aliphatics (Unadjusted)	ND	ND	ND	ND	72	24,528
C5-C8 Aliphatics (Adjusted)	ND	ND	ND	ND	72	24,528
C9-C12 Aliphatics ¹	ND	ND	ND	ND	3,300	245,280
C9-C10 Aromatics ²	ND	ND	ND	ND	34	12,264
EPA Method 8260B						
Acetone	ND	ND	ND	ND	2.8	40,880
Benzene	ND	ND	0.00450	0.00985	0.0056	164
Toluene	ND	ND	0.0247	0.00396	7.3	82,000
Ethylbenzene	ND	ND	0.00838	0.0556	4.6	40,000
Xylenes	ND	ND	0.0243	0.0816	5	81,760
MTBE	0.132	0.110	0.196	0.163	0.92	1,908
IPE	0.0393	0.0137	0.0806	0.147	0.37	4,088
EDB	ND	ND	ND	ND	0.000002	0.067
sec-butylbenzene	ND	ND	ND	ND	3.3	16,350
n-butylbenzene	ND	ND	ND	0.00237	4.3	16,350
1,2-dichloroethane	ND	ND	ND	ND	0.0018	63
Isopropylbenzene	ND	ND	ND	0.00502	1.7	40,880
p-isopropyltoluene	ND	ND	ND	ND	NE	NE
Naphthalene	ND	ND	ND	0.0248	0.58	8,176
n-propylbenzene	ND	ND	ND	0.00601	1.7	16,350
1,3,5-trimethylbenzene	0.00294	ND	0.00954	0.0240	7.3	20,440
1,2,4-trimethylbenzene	ND	ND	0.00326	0.0401	7.5	20,440
Data expressed in parts per million (mg/kg)						
Data highlighted in bold italicized font indicates levels above Soil-to-Water Maximum Contaminant Concentrations						
A complete list of target compound is included with laboratory report in Appendix E						
EPA Environmental Protection Agency						
MADEP Massachusetts Department of Environmental Protection			MTBE - Methyl tert butylether			
MSCC Maximum Soil Contaminant Concentration			IPE - Diisopropyl ether			
ND None Detected (below reporting limits)			EDB - 1,2-dibromoethane			
VPH Volatile Petroleum Hydrocarbons			1 Standard based on C9-C18 Aliphatics			
NE No Standard Established			2 Standard based on C9-C22 Aromatics			

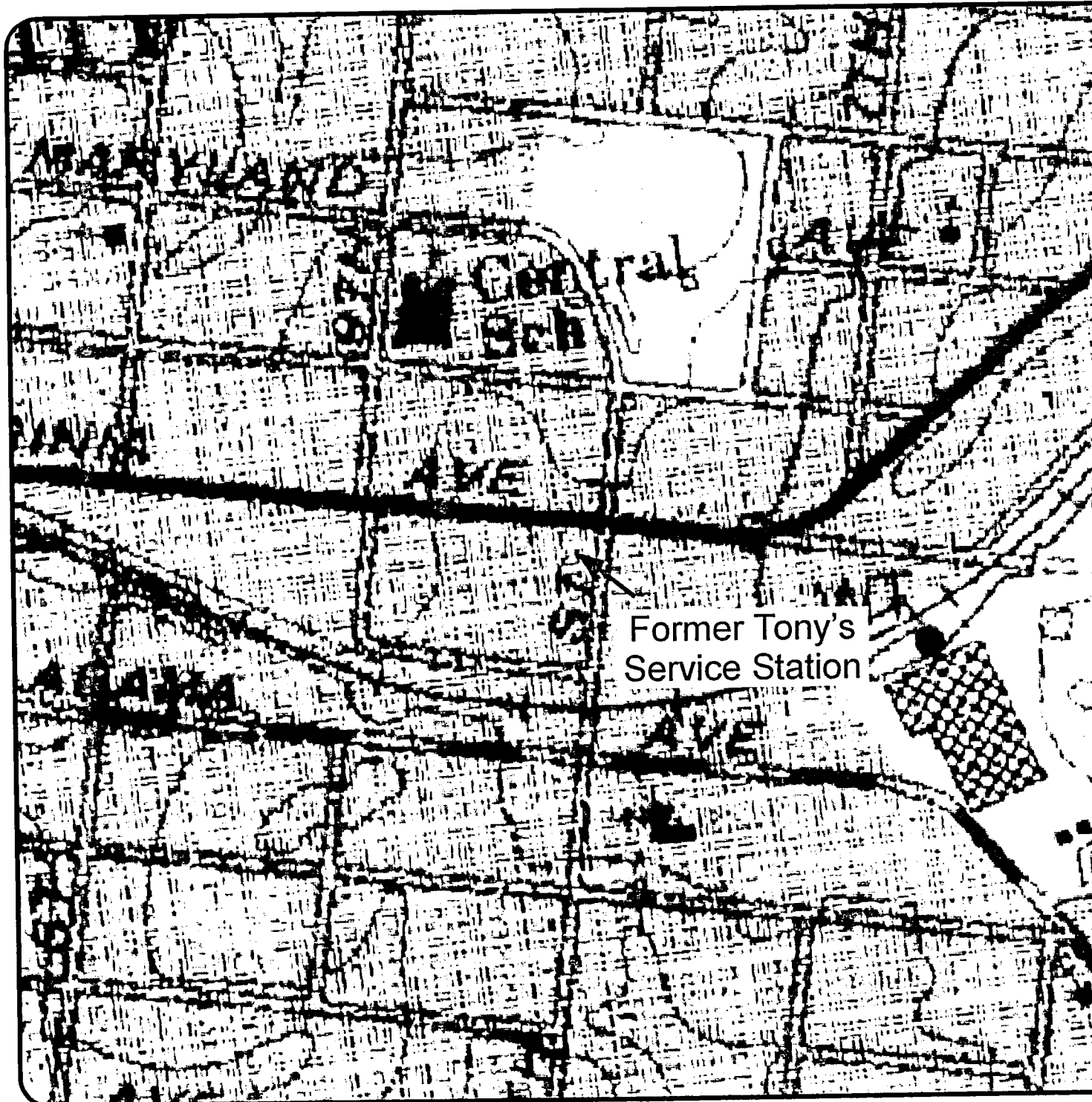
Table 3
Summary of Groundwater Analytical Results

Former Tony's Service Center
422 East Virginia Avenue
Bessemer City, NC
Gaston County
Incident No.: 18088

Well ID:	MW-1	2L Standards	GCL
Sample Date:	4/26/07		
Sample Time:	15:25		
MADEP VPH			
C5-C8 Aliphatics	370	420	420,000
C9-C12 Aliphatics ¹	ND	4,200	4,200,000
C9-C10 Aromatics ²	70.8	210	210,000
Standard Method 6210D + MTBE, IPE, EDB			
Benzene	14.0	1	5,000
Toluene	3.03	1,000	257,500
Ethylbenzene	3.04	550	84,500
Xylenes	6.52	530	87,500
MTBE	159	200	200,000
IPE	40.9	70	70,000
EDB	ND	0.0004	50
n-butylbenzene	ND	70	6,900
sec-butylbenzene	ND	70	8,500
Isopropylbenzene	3.49	70	25,000
p-isopropyltoluene	ND	NE	NE
Naphthalene	ND	21	15,500
n-propylbenzene	ND	70	30,000
1,3,5-trimethylbenzene	1.87	350	25,000
1,2,4-trimethylbenzene	1.73	350	28,500
Tetrachloroethene	0.500	NE	NE
Chloroform	ND	70	70,000
Data expressed in parts per billion (ppb)(µg/L)			
Data highlighted in bold italicized font indicates levels above the established 15A NCAC 2L limits			
A complete list of target compounds is included with laboratory report Appendix E			
GCL	Gross Contaminant Level		
EPA	Environmental Protection Agency		
MADEP	Massachusetts Department of Environmental Protection		
2L	15A NCAC 2L .0202		
ND	None Detected (below reporting limits)		
NE	No Standard Established		
VPH	Volatile Petroleum Hydrocarbons		
	MTBE	Methyl tert-butyl ether	
	IPE	Diisopropyl ether	
	EDB	1,2-dibromoethane	

Appendix B

Figure 1	Topographic Map
Figure 2	Aerial Site Photograph
Figure 3	Site Map
Figure 4	Water Supply Wells Within 1,500 Feet
Figure 5	Soil Boring Location & Analytical Data Map
Figure 6	Monitoring Well Location & Analytical Data Map



NOTES

SOURCE:
NASA World Wind
USGS Topographic Map

LEGEND



Figure 1
Topographic Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP

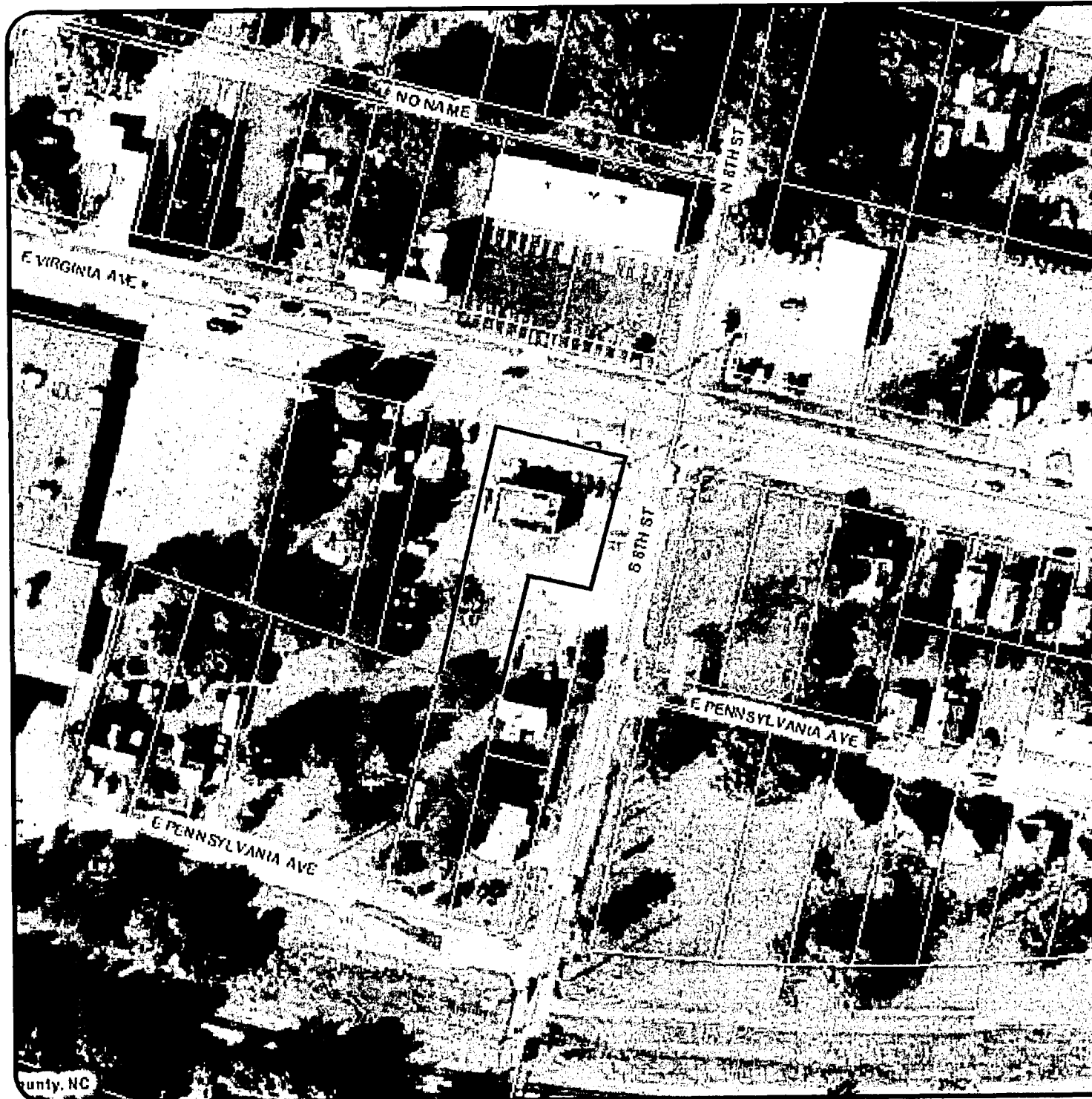
CHK BY: AMB

SCALE: AS NOTED

APR BY: KSC

DATE: 4/24/07

FILE: 05-NCSL-126



NOTES

SOURCE:
Gaston County GIS
<http://egov1.co.gaston.nc.us/website/ParcelDataSite/viewer.htm>
October 2006

LEGEND



Subject Property

Parcel Boundary

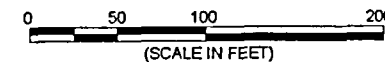


Figure 2
Aerial Site Photograph

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP

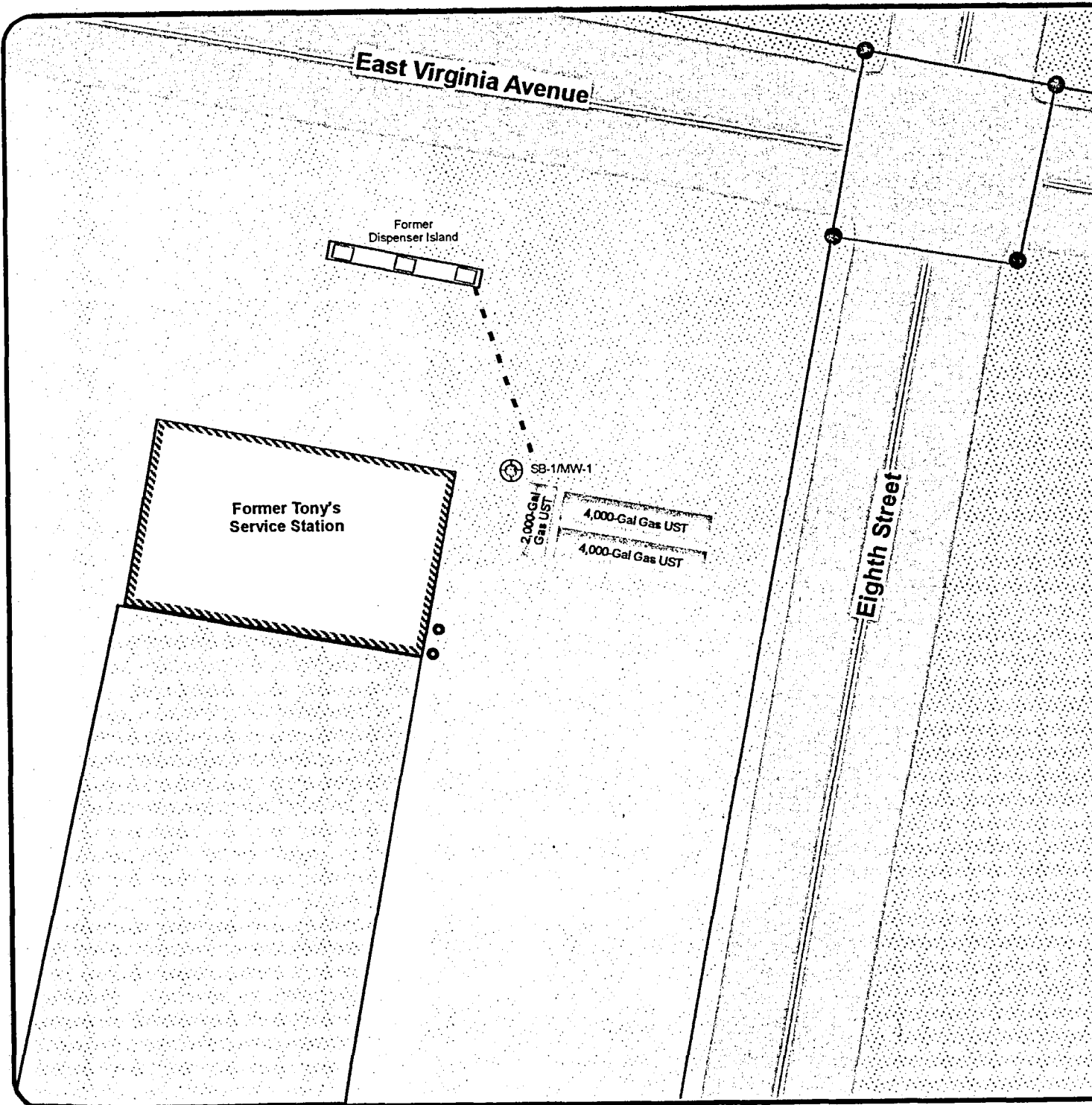
CHK BY: AMB

SCALE: AS NOTED

APR BY: KSC

DATE: 4/24/07

FILE: 05-NC SL-126



NOTES

USTs closed in-place November 4, 1997.

LEGEND







-  Building
 -  Power Line
 -  Former Product Line
 -  Vent
 -  Power Pole
 -  Soil Boring/Monitoring Well
- 0 25 50
(SCALE IN FEET)



Figure 3
Site Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP

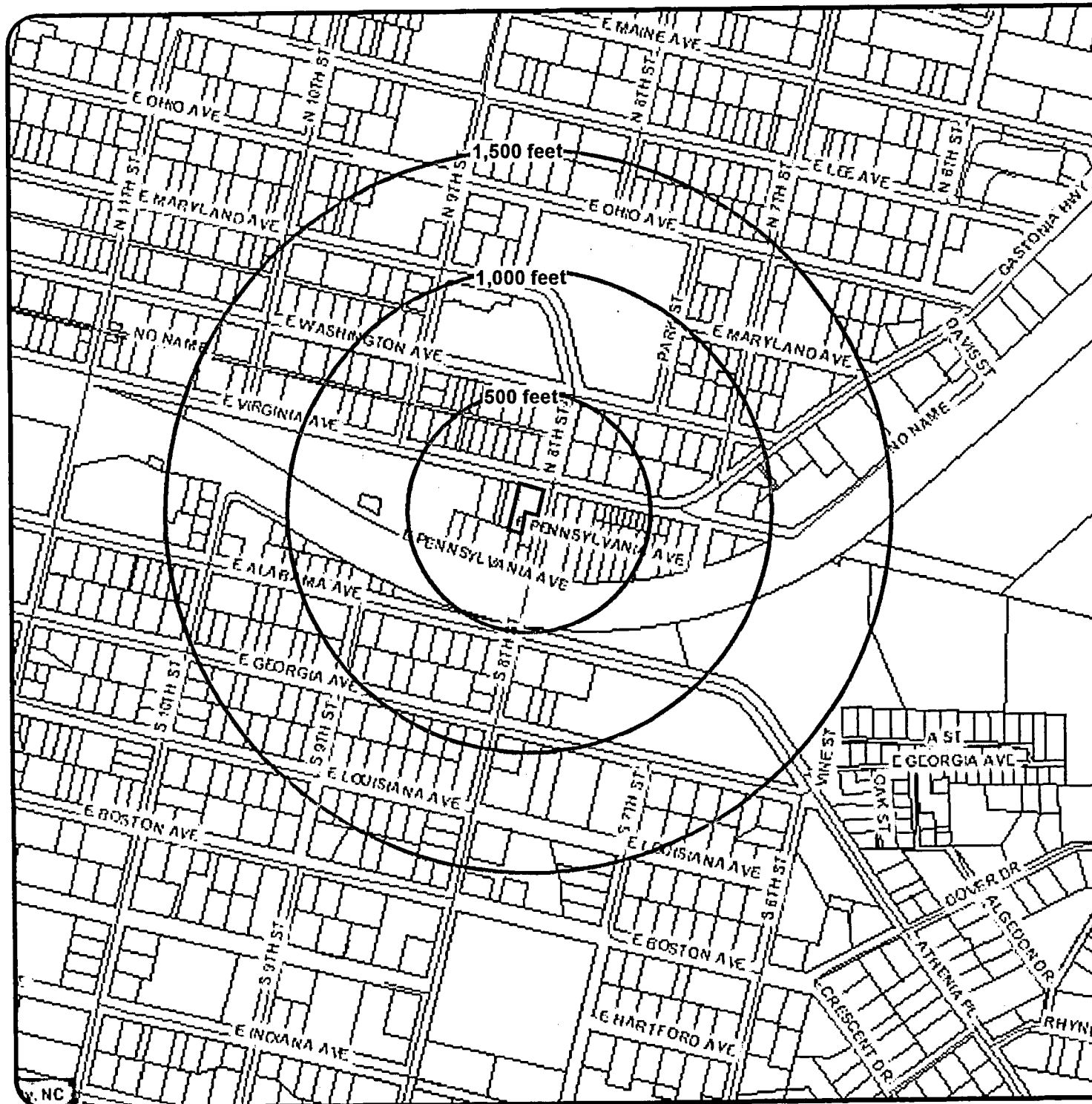
CHK BY: AMB

SCALE: AS NOTED

APR BY: KSC

DATE: 4/24/07

FILE: 05-NCSL-128



NOTES

SOURCE:
Gaston County GIS
No water supply wells were identified during site
reconnaissance on April 28, 2007.

LEGEND



Subject Property



Parcel Boundary

0 250 1,000
(SCALE IN FEET)



Environmental Consulting

Figure 4
Water Supply Wells
Within 1,500 Feet of Source
Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP

CHK BY: AMB

SCALE: AS NOTED

APR BY: KSC

DATE: 4/24/07

FILE: 05-NCSL-126

East Virginia Avenue

Former Tony's
Service Station

SB-1

Sample ID: Depth: Sample Date: Sample Time:	SB-1 5-10 4/16/07 15:05	SB-1 10-15 4/16/07 15:20	SB-1 15-20 4/16/07 15:35	SB-1 20-25 4/16/07 15:50	MSCC (soil to groundwater)	Industrial Commercial Cleanup Levels
MADEP VPH						
MTBE	0.184	ND	0.177	0.299	0.92	1,908
Benzene	ND	ND	ND	ND	0.0056	164
Toluene	ND	ND	ND	ND	7.3	82,000
Ethylbenzene	ND	ND	ND	ND	4.6	40,000
Xylenes	ND	ND	ND	ND	5	81,760
Naphthalene	ND	ND	ND	ND	0.58	8,176
C5-C8 Aliphatics (Unadjusted)	ND	ND	ND	ND	72	24,528
C5-C8 Aliphatics (Adjusted)	ND	ND	ND	ND	72	24,528
C9-C12 Aliphatics ¹	ND	ND	ND	ND	3,300	245,280
C9-C10 Aromatics ²	ND	ND	ND	ND	34	12,264
EPA Method 8260B						
Acetone	ND	ND	ND	ND	2.8	40,880
Benzene	ND	ND	0.00450	0.00985	0.0056	164
Toluene	ND	ND	0.0247	0.00396	7.3	82,000
Ethylbenzene	ND	ND	0.00838	0.0556	4.6	40,000
Xylenes	ND	ND	0.0243	0.0816	5	81,760
MTBE	0.132	0.110	0.196	0.163	0.92	1,908
IPE	0.0393	0.0137	0.0806	0.147	0.37	4,088
EDB	ND	ND	ND	ND	0.000002	0.067
sec-butylbenzene	ND	ND	ND	ND	3.3	16,350
n-butylbenzene	ND	ND	ND	0.00237	4.3	16,350
1,2-Dichloroethane	ND	ND	ND	ND	0.0018	63
Isopropylbenzene	ND	ND	ND	0.00502	1.7	40,880
p-isopropyltoluene	ND	ND	ND	ND	NE	NE
Naphthalene	ND	ND	ND	0.0248	0.58	8,176
n-propylbenzene	ND	ND	ND	0.00601	1.7	16,350
1,3,5-trimethylbenzene	0.00294	ND	0.00954	0.0240	7.3	20,440
1,2,4-trimethylbenzene	ND	ND	0.00326	0.0401	7.5	20,440
Data expressed in parts per million (mg/kg)						
Data highlighted in bold italicized font indicates levels above Soil-to-Water Maximum Contaminant Concentrations						
A complete list of target compound is included with laboratory report in Appendix B						
EPA Environmental Protection Agency						
MADEP Massachusetts Department of Environmental Protection						
MSCC Maximum Soil Contaminant Concentration						
ND None Detected (below reporting limits)						
VPH Volatile Petroleum Hydrocarbons						
NE No Standard Established						
MTBE - Methyl tert butyl ether						
IPE - Diisopropyl ether						
EDB - 1,2-dibromoethane						
¹ Standard based on C9-C18 Aliphatics						
² Standard based on C9-C22 Aromatics						



NOTES

LEGEND

- Building
- Power Line
- Former Product Line
- Vent
- Power Pole
- Soil Boring Location

0 25 50
(SCALE IN FEET)



Figure 5 Soil Boring Location & Analytical Data Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP	CHK BY: AMB
SCALE: AS NOTED	APR BY: KSC
DATE: 4/24/07	FILE: 05-NCSL-126

East Virginia Avenue

Former Tony's
Service Station

SB-1/MW-1

Well ID: Sample Date: Sample Time:	MW-1 4/26/07 15:25	2L Standards	GCL
MADEP VPH			
C5-C8 Aliphatics	370	420	420,000
C9-C12 Aliphatics ¹	ND	4,200	4,200,000
C9-C10 Aromatics ²	70.8	210	210,000
Standard Method 6210D + MTBE, IPE, EDB			
Benzene	14.0	1	5,000
Toluene	3.03	1,000	257,500
Ethylbenzene	3.04	550	84,500
Xylenes	6.52	530	87,500
MTBE	159	200	200,000
IPE	40.9	70	70,000
EDB	ND	0.0004	50
n-butylbenzene	ND	70	6,900
sec-butylbenzene	ND	70	8,500
Isopropylbenzene	3.49	70	25,000
p-isopropyltoluene	ND	NE	NE
Naphthalene	ND	21	15,500
n-propylbenzene	ND	70	30,000
1,3,5-trimethylbenzene	1.87	350	25,000
1,2,4-trimethylbenzene	1.73	350	28,500
Tetrachloroethene	0.500	NE	NE
Chloroform	ND	70	70,000
Data expressed in parts per billion (ppb)(µg/L)			
Highlighted data in bold italicized font indicates level exceeding established NCAC 2L limits			
A complete list of target compounds is included with laboratory report in Appendix E			
GCL Gross Contamination Level			
EPA Environmental Protection Agency			
MADEP Massachusetts Department of Environmental Protection			
2L 15A NCAC 2L .0202			
ND	None Detected (below reporting limits)		MTBE Methyl tert-butyl ether
NE	No Standard Established		IPE Diisopropyl ether
VPH	Volatile Petroleum Hydrocarbons		EDB 1,2-dibromoethane



NOTES

LEGEND

- Building
 - Power Line
 - Former Product Line
 - Vent
 - Power Pole
 - Soil Boring/Monitoring Well
- 0 25 50
(SCALE IN FEET)



Figure 6 Monitoring Well Location & Analytical Data Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: CLP

CHK BY: AMB

SCALE: AS NOTED

APR BY: KSC

DATE: 4/24/07

FILE: 05-NC SL-126

Appendix C

Returned Water Supply Well Information Surveys

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)	
Incident Number: 18088	Incident Name: Tony's Service Center
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey	
Parcel ID: 121499	Property Address: 423 E VIRGINIA AVE
City: Bessemer City	County: Gaston
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <u> </u> Irrigation <u> </u> Swimming Pool <u> </u>	
Water Livestock <u> </u> Other (specify) <u> </u> You do not use the Well <u> </u>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	
Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>Terraine, Inc.</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 105 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraire.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

RECEIVED

(This line to be completed by Responsible Party or their representative)	
Incident Number: 18088	Incident Name: Tony's Service Center
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey	
Parcel ID: 121510 Property Address: 104 N 9TH ST	
City: Bessemer City County: Gaston	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes / <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	
Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 551-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121594 Property Address: 508 E VIRGINIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking _____ Irrigation _____ Swimming Pool _____

Water Livestock _____ Other (specify) _____ You do not use the Well _____

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc. by 5/4/07 using one of the following methods:

1. Fax to : (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121590 Property Address: 516 E VIRGINIA AVE

City: Bessemer City

County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc. by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121588</u> Property Address: <u>520 E VIRGINIA AVE</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <input type="checkbox"/> <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) _____ You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)? _____ Date well was installed? _____	
What is the casing depth of the well(s)? _____	
What is the screen interval of the well(s)? _____	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to : (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)	
Incident Number: 18088	Incident Name: Tony's Service Center
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey	
Parcel ID: <u>121589</u> Property Address: <u>518 E VIRGINIA AVE</u>	
City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <u> </u> , Irrigation <u> </u> , Swimming Pool <u> </u> , Water Livestock <u> </u> , Other (specify) <u> </u> , You do not use the Well <u> </u>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	Date well was installed?
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121583 Property Address: 509 E VIRGINIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking ☐ Irrigation ☐ Swimming Pool ☐
Water Livestock ☐ Other (specify) ☐ You do not use the Well ☐

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc. by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc.
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 541-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121603 Property Address: 509 E PENNSYLVANIA AVE

City: Bessemer City

County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking ☐ Irrigation ☐ Swimming Pool ☐

Water Livestock ☐ Other (specify) ☐ You do not use the Well ☐

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121584 Property Address: 511 E VIRGINIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking ☐ , Irrigation ☐ , Swimming Pool ☐ ,
Water Livestock ☐ Other (specify) ☐ You do not use the Well ☐

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121516 Property Address: 414 E WASHINGTON AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking ☐ Irrigation ☐ Swimming Pool ☐

Water Livestock ☐ Other (specify) ☐ You do not use the Well ☐

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121604 Property Address: 511 E PENNSYLVANIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking Irrigation Swimming Pool

Water Livestock Other (specify) You do not use the Well

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey <i>David D Jenkins</i> Parcel ID: <u>121486</u> Property Address: <u>106 S 8TH ST</u> <i>704-622-2684</i> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below) <i>no well city water</i>	
Is there a water supply well on this property? Yes / <input checked="" type="radio"/> No If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) <input type="checkbox"/> You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	
Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to : (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terrine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121500 Property Address: 421 E VIRGINIA AVE

City: Bessemer City

County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking , Irrigation , Swimming Pool ,

Water Livestock , Other (specify) , You do not use the Well .

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-5138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121580</u> Property Address: <u>501 E VIRGINIA AVE</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property? What is the well(s) used for? (check all that apply) Drinking <u> </u> , Irrigation <u> </u> , Swimming Pool <u> </u> , Water Livestock <u> </u> , Other (specify) <u> </u> , You do not use the Well <u> </u> . How many residences are connected to the well (list addresses below)?	
How deep is the well(s)? _____ Date well was installed? _____ What is the casing depth of the well(s)? _____ What is the screen interval of the well(s)? _____	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121806</u> Property Address: <u>301 S 8TH ST</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <u>(No)</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <u> </u> , Irrigation <u> </u> , Swimming Pool <u> </u> , Water Livestock <u> </u> , Other (specify) <u> </u> , You do not use the Well <u> </u>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)? Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc.</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc. 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121499 Property Address: 423 E VIRGINIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking Irrigation Swimming Pool
Water Livestock Other (specify) You do not use the Well

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc. by 5/4/07 using one of the following methods:

1. Fax to: (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121498</u> Property Address: <u>104 S 8TH ST</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes / <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> , Irrigation <input type="checkbox"/> , Swimming Pool <input type="checkbox"/> , Water Livestock <input type="checkbox"/> , Other (specify) <input type="checkbox"/> , You do not use the Well <input type="checkbox"/> .	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)? Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to : (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121600</u> Property Address: <u>507 E PENNSYLVANIA AVE</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) <div style="text-align: center; font-family: cursive; font-size: 1.2em;">City of Bessemer City Water</div>	
Is there a water supply well on this property? Yes/ <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well 	
How many water supply wells are on your property? What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) <input type="checkbox"/> You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)? 	
How deep is the well(s)? Date well was installed? What is the casing depth of the well(s)? What is the screen interval of the well(s)?	
Additional water supply well information: 	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121605</u> Property Address: <u>512 E PENNSYLVANIA AVE</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) <div style="text-align: center; font-family: cursive; font-size: 1.2em;">City of Bessemer City Water</div>	
Is there a water supply well on this property? Yes <input checked="" type="radio"/> No <input type="radio"/> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well 	
How many water supply wells are on your property? What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) <input type="checkbox"/> You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)? 	
How deep is the well(s)? Date well was installed? What is the casing depth of the well(s)? What is the screen interval of the well(s)?	
Additional water supply well information: 	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to: (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey
John W. Murray 704-922-8977

Parcel ID: 121598 Property Address: 506 E PENNSYLVANIA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Public Water

Is there a water supply well on this property? Yes ☒ No ☐ If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking _____ Irrigation _____ Swimming Pool _____
Water Livestock _____ Other (specify) _____ You do not use the Well _____

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to : (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121616 Property Address: E ALABAMA AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)PublicIs there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

BENNA PROPERTIES, LLC1615 W. GIBSON AVE - Gaston, NC 28052

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking ☐ Irrigation ☐ Swimming Pool ☐Water Livestock ☐ Other (specify) ☒ You do not use the Well

How many residences are connected to the well (list addresses below)?

NONE

How deep is the well(s)?

UNKNOWNDate well was installed? UNKNOWN

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

UNKNOWN

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc. by 5/4/07 using one of the following methods:

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2. Mail to: Terraine, Inc.
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative) Incident Number: 18088 Incident Name: Tony's Service Center	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey Parcel ID: <u>121518</u> Property Address: <u>E WASHINGTON AVE</u> City: <u>Bessemer City</u> County: <u>Gaston</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <input type="checkbox"/> <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> , Irrigation <input type="checkbox"/> , Swimming Pool <input type="checkbox"/> , Water Livestock <input type="checkbox"/> , Other (specify) <input type="checkbox"/> , You do not use the Well <input type="checkbox"/> .	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	Date well was installed?
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>Terraine, Inc</u> by <u>5/4/07</u> using one of the following methods:	
1. Fax to : (786) 206-3138	
2. Mail to: Terraine, Inc 600 Towne Centre Blvd Suite 103 Pineville, NC 28134	
3. Telephone: (800) 531-1242 ext 719	
4. Email to: rbrookshire@terraine.com	
If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.	

Water Supply Well Information Survey

(This line to be completed by Responsible Party or their representative)

Incident Number: 18088

Incident Name: Tony's Service Center

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey

Parcel ID: 121576 Property Address: 512 E WASHINGTON AVE

City: Bessemer City County: Gaston

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking , Irrigation , Swimming Pool ,
Water Livestock , Other (specify) , You do not use the Well .

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to Terraine, Inc by 5/4/07 using one of the following methods:

1. Fax to : (786) 206-3138

2. Mail to: Terraine, Inc
600 Towne Centre Blvd Suite 103
Pineville, NC 28134

3. Telephone: (800) 531-1242 ext 719

4. Email to: rbrookshire@terraine.com

If you have any questions, please contact the consultant indicated above or the UST Section Raleigh Office at (919) 733-1319.

Appendix D

Boring Log Key
Soil Boring Log
Well Construction Record

SYMBOLS AND ABBREVIATIONS USED IN BORING LOGS

SOIL AND ROCK LITHOLOGY SYMBOLS



CLAY



LIMESTONE



COAL



SILT



DOLOMITE



CONCRETE



SHALE



CHERT



ASPHALT



SAND



METAMORPHIC BEDROCK



ORGANIC SOIL



GRAVEL



IGNEOUS



FILL

MODIFYING COMPONENTS, CEMENTS, ETC.



FOSSILS



CHERT



SILT



OOLITES, PISOLITES
CONCRETIONS, ETC.



SAND



FRACTURES



BEDDING PLANES



CLAY, SHALE



VISIBLE POROSITY



CALCITE, LIMESTONE



DOLOMITE



HYDROCARBON ODOR,
STAINING, FREE PRODUCT

COMPLETION DIAGRAM SYMBOLS



SOLID PIPE WITH
NO PACKING



SOLID PIPE
PACKED IN SAND



GROUT SEAL
AROUND SOLID PIPE



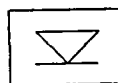
SLOTTED PIPE
PACKED IN SAND



BENTONITE SEAL
AROUND SOLID PIPE



END CAP ON SLOTTED
PIPE PACKED IN SAND

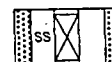


WATER LEVEL
FIRST ENCOUNTERED

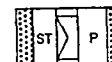


WATER LEVEL
UPON COMPLETION

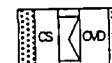
SAMPLE SYMBOLS



SPLIT SPOON SAMPLE
75-100% RECOVERY



SHELBY TUBE SAMPLE
50-75 % RECOVERY



CONTINUOUS SAMPLE
25-50% RECOVERY
ANALYZED WITH OVD

SS - SPLIT SPOON
ST - SHELBY TUBE
CS - CONTINUOUS SAMPLE
OVD - ORGANIC VAPOR DETECTOR
k - PERMEABILITY

X - 75-100% RECOVERY
> - 50-75% RECOVERY
< - 25-50% RECOVERY
I - 0-25% RECOVERY

Appendix E

Soil Sample Chain of Custody Forms
Soil Sample Certificates of Analyses
Groundwater Sample Chain of Custody Forms
Groundwater Sample Certificates of Analyses



Nashville Division
COOLER RECEIPT FORM

BC#

NQD2160

Cooler Received/Opened On:

4/18/2007

8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

8915

FED-EX

Temperature of representative sample or temperature blank when opened: 1.4 Degrees Celsius
(indicate IR Gun ID#)

101507

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where:

1 Front

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial).....

WS

6. Were custody seals on containers: YES NO and Intact YES NO NO
were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other _____ None

8. Cooling process: Ice Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (initial).....

14

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NO

b. Did the bottle labels indicate that the correct preservatives were used?..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

14. Was residual chlorine present?..... YES...NO...NO

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial).....

14

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (initial).....

14

I certify that I attached a label with the unique LIMS number to each container (initial).....

14

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO # _____

April 30, 2007

2:18:48PM

Client: Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn: Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Nbr: Former Tonys Service Center / 05-NCSL-
P/O Nbr:
Date Received: 04/18/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
SB-I (5-10)	NQD2160-01	04/16/07 15:05
SB-I (10-15)	NQD2160-02	04/16/07 15:20
SB-I (15-20)	NQD2160-03	04/16/07 15:35
SB-I (20-25)	NQD2160-04	04/16/07 15:50

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

North Carolina Certification Number: 387

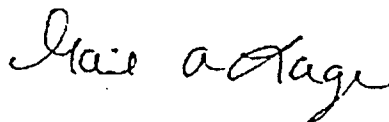
The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Gail A Lage

Program Manager - National Accounts

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Sample ID: NQD2160-01 (SB-1 (5-10) - Soil) Sampled: 04/16/07 15:05

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
General Chemistry Parameters								
% Dry Solids	76.7		%	0.500	1	04/25/07 08:15	SW-846	704360
MADEP VPH								
Methyl tert-Butyl Ether	0.184		mg/kg dry	0.0737	50	04/19/07 18:53	MADEP VPH	7043674
Benzene	ND		mg/kg dry	0.0737	50	04/19/07 18:53	MADEP VPH	7043674
Toluene	ND		mg/kg dry	0.221	50	04/19/07 18:53	MADEP VPH	7043674
Ethylbenzene	ND		mg/kg dry	0.0737	50	04/19/07 18:53	MADEP VPH	7043674
m,p-Xylene	ND		mg/kg dry	0.295	50	04/19/07 18:53	MADEP VPH	7043674
o-Xylene	ND		mg/kg dry	0.147	50	04/19/07 18:53	MADEP VPH	7043674
Naphthalene	ND		mg/kg dry	0.369	50	04/19/07 18:53	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	7.37	50	04/19/07 18:53	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	7.37	50	04/19/07 18:53	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons	ND		mg/kg dry	7.37	50	04/19/07 18:53	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons	ND		mg/kg dry	7.37	50	04/19/07 18:53	MADEP VPH	7043674
C9 - C10 Aromatic Hydrocarbons	ND		mg/kg dry	7.37	50	04/19/07 18:53	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (FID) (70-130%)	93 %					04/19/07 18:53	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (PID) (70-130%)	89 %					04/19/07 18:53	MADEP VPH	7043674
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		mg/kg dry	0.0599	1	04/25/07 15:23	SW846 8260B	7043532
Benzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Bromobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Bromochloromethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Bromodichloromethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Bromoform	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Bromomethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
2-Butanone	ND		mg/kg dry	0.0599	1	04/25/07 15:23	SW846 8260B	7043532
sec-Butylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
n-Butylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
tert-Butylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Carbon disulfide	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
Carbon Tetrachloride	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Chlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Chlorodibromomethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Chloroethane	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
Chloroform	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Chloromethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
2-Chlorotoluene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
4-Chlorotoluene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Dibromomethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,4-Dichlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,3-Dichlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dichlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-01 (SB-1 (5-10) - Soil) - cont. Sampled: 04/16/07 15:05								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Dichlorodifluoromethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1-Dichloroethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dichloroethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
cis-1,2-Dichloroethene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1-Dichloroethene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
trans-1,2-Dichloroethene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,3-Dichloropropane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dichloropropane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
2,2-Dichloropropane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
cis-1,3-Dichloropropene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
trans-1,3-Dichloropropene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1-Dichloropropene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Ethylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Hexachlorobutadiene	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
2-Hexanone	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
Isopropylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
p-Isopropyltoluene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Methyl tert-Butyl Ether	0.132		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Methylene Chloride	ND		mg/kg dry	0.0120	1	04/25/07 15:23	SW846 8260B	7043532
4-Methyl-2-pentanone	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
Naphthalene	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
n-Propylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Styrene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Tetrachloroethene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Toluene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,1,2-Trichloroethane	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
1,1,1-Trichloroethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Trichloroethene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Trichlorofluoromethane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2,3-Trichloropropane	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,3,5-Trimethylbenzene	0.00294		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2,4-Trimethylbenzene	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Vinyl chloride	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Xylenes, total	ND		mg/kg dry	0.00599	1	04/25/07 15:23	SW846 8260B	7043532
Diisopropyl Ether	0.0393		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
1,2-Dichloroethene (total)	ND		mg/kg dry	0.00240	1	04/25/07 15:23	SW846 8260B	7043532
Surr: 1,2-Dichloroethane-d4 (54-145%)	110 %					04/25/07 15:23	SW846 8260B	7043532
Surr: Dibromofluoromethane (67-129%)	112 %					04/25/07 15:23	SW846 8260B	7043532
Surr: Toluene-d8 (66-142%)	75 %					04/25/07 15:23	SW846 8260B	7043532
Surr: 4-Bromofluorobenzene (68-150%)	101 %					04/25/07 15:23	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-01 (SB-1 (5-10) - Soil) - cont. Sampled: 04/16/07 15:05								
Sample ID: NQD2160-02 (SB-1 (10-15) - Soil) Sampled: 04/16/07 15:20								
General Chemistry Parameters								
% Dry Solids	76.5		%	0.500	1	04/25/07 08:15	SW-846	7044360
MADEP VPH								
Methyl tert-Butyl Ether	ND		mg/kg dry	0.0734	50	04/19/07 19:23	MADEP VPH	7043674
Benzene	ND		mg/kg dry	0.0734	50	04/19/07 19:23	MADEP VPH	7043674
Toluene	ND		mg/kg dry	0.220	50	04/19/07 19:23	MADEP VPH	7043674
Ethylbenzene	ND		mg/kg dry	0.0734	50	04/19/07 19:23	MADEP VPH	7043674
m,p-Xylene	ND		mg/kg dry	0.294	50	04/19/07 19:23	MADEP VPH	7043674
o-Xylene	ND		mg/kg dry	0.147	50	04/19/07 19:23	MADEP VPH	7043674
Naphthalene	ND		mg/kg dry	0.367	50	04/19/07 19:23	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	7.34	50	04/19/07 19:23	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	7.34	50	04/19/07 19:23	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons	ND		mg/kg dry	7.34	50	04/19/07 19:23	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons	ND		mg/kg dry	7.34	50	04/19/07 19:23	MADEP VPH	7043674
C9 - C10 Aromatic Hydrocarbons	ND		mg/kg dry	7.34	50	04/19/07 19:23	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (FID) (70-130%)	90 %					04/19/07 19:23	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (PID) (70-130%)	88 %					04/19/07 19:23	MADEP VPH	7043674
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		mg/kg dry	0.0491	1	04/25/07 15:54	SW846 8260B	7043532
Benzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Bromobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Bromochloromethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Bromodichloromethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Bromoform	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Bromomethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
2-Butanone	ND		mg/kg dry	0.0491	1	04/25/07 15:54	SW846 8260B	7043532
sec-Butylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
n-Butylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
tert-Butylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Carbon disulfide	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
Carbon Tetrachloride	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Chlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Chlorodibromomethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Chloroethane	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
Chloroform	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Chloromethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
2-Chlorotoluene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
4-Chlorotoluene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Dibromomethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,4-Dichlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-02 (SB-1 (10-15) - Soil) - cont. Sampled: 04/16/07 15:20								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dichlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Dichlorodifluoromethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1-Dichloroethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dichloroethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
cis-1,2-Dichloroethene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1-Dichloroethene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
trans-1,2-Dichloroethene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,3-Dichloropropane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dichloropropane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
2,2-Dichloropropane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
cis-1,3-Dichloropropene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
trans-1,3-Dichloropropene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1-Dichloropropene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Ethylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Hexachlorobutadiene	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
2-Hexanone	ND		mg/kg dry	0.0491	1	04/25/07 15:54	SW846 8260B	7043532
Isopropylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
p-Isopropyltoluene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Methyl tert-Butyl Ether	0.110		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Methylene Chloride	ND		mg/kg dry	0.00983	1	04/25/07 15:54	SW846 8260B	7043532
4-Methyl-2-pentanone	ND		mg/kg dry	0.0491	1	04/25/07 15:54	SW846 8260B	7043532
Naphthalene	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
n-Propylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Styrene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Tetrachloroethene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Toluene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,1,2-Trichloroethane	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
1,1,1-Trichloroethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Trichloroethene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Trichlorofluoromethane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2,3-Trichloropropane	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,3,5-Trimethylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2,4-Trimethylbenzene	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Vinyl chloride	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Xylenes, total	ND		mg/kg dry	0.00491	1	04/25/07 15:54	SW846 8260B	7043532
Diisopropyl Ether	0.0137		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
1,2-Dichloroethene (total)	ND		mg/kg dry	0.00197	1	04/25/07 15:54	SW846 8260B	7043532
Surr: 1,2-Dichloroethane-d4 (54-145%)		106 %				04/25/07 15:54	SW846 8260B	7043532
Surr: Dibromofluoromethane (67-129%)		109 %				04/25/07 15:54	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-02 (SB-1 (10-15) - Soil) - cont. Sampled: 04/16/07 15:20								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Toluene-d8 (66-142%)	78 %					04/25/07 15:54	SW846 8260B	7043532
Surr: 4-Bromofluorobenzene (68-150%)	103 %					04/25/07 15:54	SW846 8260B	7043532
Sample ID: NQD2160-03 (SB-1 (15-20) - Soil) Sampled: 04/16/07 15:35								
General Chemistry Parameters								
% Dry Solids	73.4		%	0.500	1	04/25/07 08:15	SW-846	7044360
MADEP VPH								
Methyl tert-Butyl Ether	0.177		mg/kg dry	0.0641	50	04/19/07 19:54	MADEP VPH	7043674
Benzene	ND		mg/kg dry	0.0641	50	04/19/07 19:54	MADEP VPH	7043674
Toluene	ND		mg/kg dry	0.192	50	04/19/07 19:54	MADEP VPH	7043674
Ethylbenzene	ND		mg/kg dry	0.0641	50	04/19/07 19:54	MADEP VPH	7043674
m,p-Xylene	ND		mg/kg dry	0.257	50	04/19/07 19:54	MADEP VPH	7043674
o-Xylene	ND		mg/kg dry	0.128	50	04/19/07 19:54	MADEP VPH	7043674
Naphthalene	ND		mg/kg dry	0.321	50	04/19/07 19:54	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	6.41	50	04/19/07 19:54	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	6.41	50	04/19/07 19:54	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons	ND		mg/kg dry	6.41	50	04/19/07 19:54	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons	ND		mg/kg dry	6.41	50	04/19/07 19:54	MADEP VPH	7043674
C9 - C10 Aromatic Hydrocarbons	ND		mg/kg dry	6.41	50	04/19/07 19:54	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (FID) (70-130%)	91 %					04/19/07 19:54	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (PID) (70-130%)	90 %					04/19/07 19:54	MADEP VPH	7043674
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		mg/kg dry	0.0602	1	04/25/07 16:25	SW846 8260B	7043532
Benzene	0.00450		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Bromobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Bromochloromethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Bromodichloromethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Bromoform	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Bromomethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
2-Butanone	ND		mg/kg dry	0.0602	1	04/25/07 16:25	SW846 8260B	7043532
sec-Butylbenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
n-Butylbenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
tert-Butylbenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Carbon disulfide	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532
Carbon Tetrachloride	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Chlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Chlorodibromomethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Chloroethane	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532
Chloroform	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Chloromethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
2-Chlorotoluene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
4-Chlorotoluene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-03 (SB-1 (15-20) - Soil) - cont. Sampled: 04/16/07 15:35								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Dibromomethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,4-Dichlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,3-Dichlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2-Dichlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Dichlorodifluoromethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1-Dichloroethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2-Dichloroethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
cis-1,2-Dichloroethene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1-Dichloroethene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
trans-1,2-Dichloroethene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,3-Dichloropropane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2-Dichloropropane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
2,2-Dichloropropane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
cis-1,3-Dichloropropene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
trans-1,3-Dichloropropene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1-Dichloropropene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Ethylbenzene	0.00838		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Hexachlorobutadiene	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532
2-Hexanone	ND		mg/kg dry	0.0602	1	04/25/07 16:25	SW846 8260B	7043532
Isopropylbenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
p-Isopropyltoluene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Methyl tert-Butyl Ether	0.196		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Methylene Chloride	ND		mg/kg dry	0.0120	1	04/25/07 16:25	SW846 8260B	7043532
4-Methyl-2-pentanone	ND		mg/kg dry	0.0602	1	04/25/07 16:25	SW846 8260B	7043532
Naphthalene	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532
n-Propylbenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Styrene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Tetrachloroethene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Toluene	0.0247		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,1,2-Trichloroethane	ND		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532
1,1,1-Trichloroethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Trichloroethene	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Trichlorofluoromethane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2,3-Trichloropropane	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,3,5-Trimethylbenzene	0.00954		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2,4-Trimethylbenzene	0.00326		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Vinyl chloride	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Xylenes, total	0.0243		mg/kg dry	0.00602	1	04/25/07 16:25	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-03 (SB-1 (15-20) - Soil) - cont. Sampled: 04/16/07 15:35								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Diisopropyl Ether	0.0806		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
1,2-Dichloroethene (total)	ND		mg/kg dry	0.00241	1	04/25/07 16:25	SW846 8260B	7043532
Surr: 1,2-Dichloroethane-d4 (54-145%)	110 %					04/25/07 16:25	SW846 8260B	7043532
Surr: Dibromofluoromethane (67-129%)	113 %					04/25/07 16:25	SW846 8260B	7043532
Surr: Toluene-d8 (66-142%)	74 %					04/25/07 16:25	SW846 8260B	7043532
Surr: 4-Bromofluorobenzene (68-150%)	100 %					04/25/07 16:25	SW846 8260B	7043532
Sample ID: NQD2160-04 (SB-1 (20-25) - Soil) Sampled: 04/16/07 15:50								
General Chemistry Parameters								
% Dry Solids	80.6		%	0.500	1	04/25/07 08:15	SW-846	7044360
MADEP VPH								
Methyl tert-Butyl Ether	0.299		mg/kg dry	0.0575	50	04/19/07 20:24	MADEP VPH	7043674
Benzene	ND		mg/kg dry	0.0575	50	04/19/07 20:24	MADEP VPH	7043674
Toluene	ND		mg/kg dry	0.173	50	04/19/07 20:24	MADEP VPH	7043674
Ethylbenzene	ND		mg/kg dry	0.0575	50	04/19/07 20:24	MADEP VPH	7043674
m,p-Xylene	ND		mg/kg dry	0.230	50	04/19/07 20:24	MADEP VPH	7043674
o-Xylene	ND		mg/kg dry	0.115	50	04/19/07 20:24	MADEP VPH	7043674
Naphthalene	ND		mg/kg dry	0.288	50	04/19/07 20:24	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	5.75	50	04/19/07 20:24	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	ND		mg/kg dry	5.75	50	04/19/07 20:24	MADEP VPH	7043674
C5 - C8 Aliphatic Hydrocarbons	ND		mg/kg dry	5.75	50	04/19/07 20:24	MADEP VPH	7043674
C9 - C12 Aliphatic Hydrocarbons	ND		mg/kg dry	5.75	50	04/19/07 20:24	MADEP VPH	7043674
C9 - C10 Aromatic Hydrocarbons	ND		mg/kg dry	5.75	50	04/19/07 20:24	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (FID) (70-130%)	88 %					04/19/07 20:24	MADEP VPH	7043674
Surr: 2,5-Dibromotoluene (PID) (70-130%)	88 %					04/19/07 20:24	MADEP VPH	7043674
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		mg/kg dry	0.0557	1	04/25/07 16:55	SW846 8260B	7043532
Benzene	0.00985		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Bromobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Bromochloromethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Bromodichloromethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Bromoform	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Bromomethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
2-Butanone	ND		mg/kg dry	0.0557	1	04/25/07 16:55	SW846 8260B	7043532
sec-Butylbenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
n-Butylbenzene	0.00237		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
tert-Butylbenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Carbon disulfide	ND		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
Carbon Tetrachloride	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Chlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Chlorodibromomethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Chloroethane	ND		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
Chloroform	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-04 (SB-1 (20-25) - Soil) - cont. Sampled: 04/16/07 15:50								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloromethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
2-Chlorotoluene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
4-Chlorotoluene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Dibromomethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,4-Dichlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,3-Dichlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dichlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Dichlorodifluoromethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1-Dichloroethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dichloroethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
cis-1,2-Dichloroethene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1-Dichloroethene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
trans-1,2-Dichloroethene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,3-Dichloropropane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dichloropropane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
2,2-Dichloropropane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
cis-1,3-Dichloropropene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
trans-1,3-Dichloropropene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1-Dichloropropene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Ethylbenzene	0.0556		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Hexachlorobutadiene	ND		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
2-Hexanone	ND		mg/kg dry	0.0557	1	04/25/07 16:55	SW846 8260B	7043532
Isopropylbenzene	0.00502		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
p-Isopropyltoluene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Methyl tert-Butyl Ether	0.163		mg/kg dry	0.0980	50	04/26/07 13:23	SW846 8260B	7044090
Methylene Chloride	ND		mg/kg dry	0.0111	1	04/25/07 16:55	SW846 8260B	7043532
4-Methyl-2-pentanone	ND		mg/kg dry	0.0557	1	04/25/07 16:55	SW846 8260B	7043532
Naphthalene	0.0248		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
n-Propylbenzene	0.00601		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Styrene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Tetrachloroethene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Toluene	0.00396		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,1,2-Trichloroethane	ND		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
1,1,1-Trichloroethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Trichloroethene	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Trichlorofluoromethane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2,3-Trichloropropane	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQD2160-04 (SB-1 (20-25) - Soil) - cont. Sampled: 04/16/07 15:50								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3,5-Trimethylbenzene	0.0240		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2,4-Trimethylbenzene	0.0401		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Vinyl chloride	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
Xylenes, total	0.0816		mg/kg dry	0.00557	1	04/25/07 16:55	SW846 8260B	7043532
Diisopropyl Ether	0.147		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dichloroethene (total)	ND		mg/kg dry	0.00223	1	04/25/07 16:55	SW846 8260B	7043532
1,2-Dichloroethene (total)	ND		mg/kg dry	0.0980	50	04/26/07 13:23	SW846 8260B	7044090
Surr: 1,2-Dichloroethane-d4 (54-145%)	97 %					04/25/07 16:55	SW846 8260B	7043532
Surr: 1,2-Dichloroethane-d4 (54-145%)	104 %					04/26/07 13:23	SW846 8260B	7044090
Surr: Dibromofluoromethane (67-129%)	97 %					04/25/07 16:55	SW846 8260B	7043532
Surr: Dibromofluoromethane (67-129%)	107 %					04/26/07 13:23	SW846 8260B	7044090
Surr: Toluene-d8 (66-142%)	77 %					04/25/07 16:55	SW846 8260B	7043532
Surr: Toluene-d8 (66-142%)	81 %					04/26/07 13:23	SW846 8260B	7044090
Surr: 4-Bromofluorobenzene (68-150%)	100 %					04/25/07 16:55	SW846 8260B	7043532
Surr: 4-Bromofluorobenzene (68-150%)	100 %					04/26/07 13:23	SW846 8260B	7044090

Client Terraine, Inc. (8000)
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Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
MADEP VPH							
MADEP VPH	7043674	NQD2160-01	4.42	5.00	04/16/07 15:05	JHC	MADEP
MADEP VPH	7043674	NQD2160-02	4.45	5.00	04/16/07 15:20	JHC	MADEP
MADEP VPH	7043674	NQD2160-03	5.31	5.00	04/16/07 15:35	JHC	MADEP
MADEP VPH	7043674	NQD2160-04	5.39	5.00	04/16/07 15:50	JHC	MADEP
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	7043532	NQD2160-01	5.44	5.00	04/18/07 16:04	NKN	EPA 5035
SW846 8260B	7043532	NQD2160-02	6.65	5.00	04/18/07 16:04	NKN	EPA 5035
SW846 8260B	7043532	NQD2160-03	5.66	5.00	04/18/07 16:04	NKN	EPA 5035
SW846 8260B	7043532	NQD2160-04	5.57	5.00	04/18/07 16:04	NKN	EPA 5035
SW846 8260B	7044090	NQD2160-04RE1	6.33	5.00	04/18/07 16:04	NKN	EPA 5035

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
MADEP VPH						
7043674-BLK1						
Methyl tert-Butyl Ether	<0.0250		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
Benzene	<0.0200		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
Toluene	0.0254		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
Ethylbenzene	<0.0200		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
m,p-Xylene	0.0752		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
o-Xylene	<0.0200		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
Naphthalene	0.106		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	<2.50		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	3.68		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
C9 - C10 Aromatic Hydrocarbons	<2.50		mg/kg wet	7043674	7043674-BLK1	04/19/07 09:29
Surrogate: 2,5-Dibromotoluene (P11)	94%			7043674	7043674-BLK1	04/19/07 09:29
Surrogate: 2,5-Dibromotoluene (P11)	88%			7043674	7043674-BLK1	04/19/07 09:29

Volatile Organic Compounds by EPA Method 8260B

7043532-BLK1

Acetone	<0.0200		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Benzene	<0.000600		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Bromobenzene	<0.00102		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Bromochloromethane	<0.000650		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Bromodichloromethane	<0.000640		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Bromoform	<0.000540		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Bromomethane	<0.00104		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
2-Butanone	<0.00626		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
sec-Butylbenzene	<0.000550		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
n-Butylbenzene	<0.000540		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
tert-Butylbenzene	<0.000640		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Carbon disulfide	<0.000530		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Carbon Tetrachloride	<0.000720		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Chlorobenzene	<0.000560		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Chlorodibromomethane	<0.000810		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Chloroethane	<0.00105		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Chloroform	<0.000900		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Chloromethane	<0.000720		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
2-Chlorotoluene	<0.000550		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
4-Chlorotoluene	<0.000500		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dibromo-3-chloropropane	<0.00148		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dibromoethane (EDB)	<0.000610		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Dibromomethane	<0.000570		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,4-Dichlorobenzene	<0.000520		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,3-Dichlorobenzene	<0.000600		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dichlorobenzene	<0.000490		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7043532-BLK1						
Dichlorodifluoromethane	<0.000620		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1-Dichloroethane	<0.000700		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dichloroethane	<0.000540		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
cis-1,2-Dichloroethene	<0.000830		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1-Dichloroethene	<0.000500		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
trans-1,2-Dichloroethene	<0.000520		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,3-Dichloropropane	<0.000530		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dichloropropane	<0.000500		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
2,2-Dichloropropane	<0.000740		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
cis-1,3-Dichloropropene	<0.000580		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
trans-1,3-Dichloropropene	<0.000660		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1-Dichloropropene	<0.000650		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Ethylbenzene	<0.000630		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Hexachlorobutadiene	<0.000640		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
2-Hexanone	<0.00396		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Isopropylbenzene	<0.000550		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
p-Isopropyltoluene	<0.000680		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Methyl tert-Butyl Ether	<0.000530		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Methylene Chloride	<0.00238		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
4-Methyl-2-pentanone	<0.00396		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Naphthalene	<0.000810		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
n-Propylbenzene	<0.000670		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Styrene	<0.000550		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1,1,2-Tetrachloroethane	<0.000720		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1,2,2-Tetrachloroethane	<0.000570		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Tetrachloroethene	<0.000750		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Toluene	<0.000660		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2,3-Trichlorobenzene	<0.000830		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2,4-Trichlorobenzene	<0.000650		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1,2-Trichloroethane	<0.000800		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,1,1-Trichloroethane	<0.000720		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Trichloroethene	<0.000600		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Trichlorofluoromethane	<0.000870		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2,3-Trichloropropane	<0.000910		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,3,5-Trimethylbenzene	<0.000510		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2,4-Trimethylbenzene	<0.000590		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Vinyl chloride	<0.000750		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Xylenes, total	<0.00130		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Diisopropyl Ether	<0.000460		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
1,2-Dichloroethene (total)	<0.000600		mg/kg wet	7043532	7043532-BLK1	04/25/07 12:44
Surrogate: 1,2-Dichloroethane-d4	104%			7043532	7043532-BLK1	04/25/07 12:44
Surrogate: Dibromofluoromethane	109%			7043532	7043532-BLK1	04/25/07 12:44

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7043532-BLK1						
Surrogate: Toluene-d8	78%			7043532	7043532-BLK1	04/25/07 12:44
Surrogate: 4-Bromofluorobenzene	101%			7043532	7043532-BLK1	04/25/07 12:44
7044090-BLK1						
Acetone	<0.0200		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Benzene	<0.000600		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Bromobenzene	<0.00102		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Bromochloromethane	<0.000650		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Bromodichloromethane	<0.000640		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Bromoform	<0.000540		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Bromomethane	<0.00104		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
2-Butanone	<0.00626		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
sec-Butylbenzene	<0.000550		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
n-Butylbenzene	<0.000540		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
tert-Butylbenzene	<0.000640		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Carbon disulfide	<0.000530		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Carbon Tetrachloride	<0.000720		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Chlorobenzene	<0.000560		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Chlorodibromomethane	<0.000810		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Chloroethane	<0.00105		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Chloroform	<0.000900		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Chloromethane	<0.000720		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
2-Chlorotoluene	<0.000550		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
4-Chlorotoluene	<0.000500		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dibromo-3-chloropropane	<0.00148		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dibromoethane (EDB)	<0.000610		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Dibromomethane	<0.000570		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,4-Dichlorobenzene	<0.000520		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,3-Dichlorobenzene	<0.000600		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dichlorobenzene	<0.000490		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Dichlorodifluoromethane	<0.000620		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1-Dichloroethane	<0.000700		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dichloroethane	<0.000540		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
cis-1,2-Dichloroethene	<0.000830		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1-Dichloroethene	<0.000500		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
trans-1,2-Dichloroethene	<0.000520		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,3-Dichloropropane	<0.000530		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dichloropropane	<0.000500		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
2,2-Dichloropropane	<0.000740		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
cis-1,3-Dichloropropene	<0.000580		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
trans-1,3-Dichloropropene	<0.000660		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1-Dichloropropene	<0.000650		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7044090-BLK1						
Ethylbenzene	<0.000630		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Hexachlorobutadiene	<0.000640		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
2-Hexanone	<0.00396		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Isopropylbenzene	<0.000550		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
p-Isopropyltoluene	<0.000680		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Methyl tert-Butyl Ether	<0.000530		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Methylene Chloride	<0.00238		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
4-Methyl-2-pentanone	<0.00396		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Naphthalene	<0.000810		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
n-Propylbenzene	<0.000670		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Styrene	<0.000550		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1,1,2-Tetrachloroethane	<0.000720		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1,2,2-Tetrachloroethane	<0.000570		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Tetrachloroethene	<0.000750		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Toluene	<0.000660		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2,3-Trichlorobenzene	<0.000830		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2,4-Trichlorobenzene	<0.000650		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1,2-Trichloroethane	<0.000800		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,1,1-Trichloroethane	<0.000720		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Trichloroethene	<0.000600		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Trichlorofluoromethane	<0.000870		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2,3-Trichloropropane	<0.000910		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,3,5-Trimethylbenzene	<0.000510		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2,4-Trimethylbenzene	<0.000590		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Vinyl chloride	<0.000750		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Xylenes, total	<0.00130		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Diisopropyl Ether	<0.000460		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
1,2-Dichloroethene (total)	<0.000600		mg/kg wet	7044090	7044090-BLK1	04/26/07 12:52
Surrogate: 1,2-Dichloroethane-d4	104%			7044090	7044090-BLK1	04/26/07 12:52
Surrogate: Dibromofluoromethane	108%			7044090	7044090-BLK1	04/26/07 12:52
Surrogate: Toluene-d8	77%			7044090	7044090-BLK1	04/26/07 12:52
Surrogate: 4-Bromofluorobenzene	101%			7044090	7044090-BLK1	04/26/07 12:52

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
MADEP VPII								
7043674-BS1								
Methyl tert-Butyl Ether	2.50	2.19		mg/kg wet	88%	70 - 130	7043674	04/18/07 20:42
Benzene	2.50	2.07		mg/kg wet	83%	70 - 130	7043674	04/18/07 20:42
Toluene	2.50	2.13		mg/kg wet	85%	70 - 130	7043674	04/18/07 20:42
Ethylbenzene	2.50	2.17		mg/kg wet	87%	70 - 130	7043674	04/18/07 20:42
m,p-Xylene	5.00	4.84		mg/kg wet	97%	70 - 130	7043674	04/18/07 20:42
o-Xylene	2.50	2.41		mg/kg wet	96%	70 - 130	7043674	04/18/07 20:42
Naphthalene	2.50	2.88		mg/kg wet	115%	70 - 130	7043674	04/18/07 20:42
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	7.50	5.60		mg/kg wet	75%	70 - 130	7043674	04/18/07 20:42
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	5.00	4.07		mg/kg wet	81%	70 - 130	7043674	04/18/07 20:42
C9 - C10 Aromatic Hydrocarbons	2.50	2.71		mg/kg wet	108%	70 - 130	7043674	04/18/07 20:42
Surrogate: 2,5-Dibromotoluene (I-II)	40.0	40.3			101%	70 - 130	7043674	04/18/07 20:42
Surrogate: 2,5-Dibromotoluene (I'II)	40.0	35.9			90%	70 - 130	7043674	04/18/07 20:42

Volatile Organic Compounds by EPA Method 8260B

7043532-BS1

Acetone	250	216		ug/kg	86%	47 - 153	7043532	04/25/07 11:12
Benzene	50.0	57.7		ug/kg	115%	78 - 123	7043532	04/25/07 11:12
Bromobenzene	50.0	44.3		ug/kg	89%	65 - 133	7043532	04/25/07 11:12
Bromochloromethane	50.0	58.4		ug/kg	117%	74 - 133	7043532	04/25/07 11:12
Bromodichloromethane	50.0	57.2		ug/kg	114%	73 - 127	7043532	04/25/07 11:12
Bromoform	50.0	55.2		ug/kg	110%	61 - 136	7043532	04/25/07 11:12
Bromomethane	50.0	50.7		ug/kg	101%	44 - 165	7043532	04/25/07 11:12
2-Butanone	250	253		ug/kg	101%	58 - 139	7043532	04/25/07 11:12
sec-Butylbenzene	50.0	53.0		ug/kg	106%	73 - 134	7043532	04/25/07 11:12
n-Butylbenzene	50.0	51.7		ug/kg	103%	67 - 140	7043532	04/25/07 11:12
tert-Butylbenzene	50.0	52.0		ug/kg	104%	74 - 132	7043532	04/25/07 11:12
Carbon disulfide	50.0	55.4		ug/kg	111%	64 - 127	7043532	04/25/07 11:12
Carbon Tetrachloride	50.0	57.9		ug/kg	116%	72 - 136	7043532	04/25/07 11:12
Chlorobenzene	50.0	52.1		ug/kg	104%	80 - 124	7043532	04/25/07 11:12
Chlorodibromomethane	50.0	51.7		ug/kg	103%	74 - 132	7043532	04/25/07 11:12
Chloroethane	50.0	51.4		ug/kg	103%	58 - 143	7043532	04/25/07 11:12
Chloroform	50.0	51.8		ug/kg	104%	77 - 125	7043532	04/25/07 11:12
Chloromethane	50.0	46.3		ug/kg	93%	46 - 140	7043532	04/25/07 11:12
2-Chlorotoluene	50.0	48.6		ug/kg	97%	75 - 130	7043532	04/25/07 11:12
4-Chlorotoluene	50.0	47.6		ug/kg	95%	73 - 131	7043532	04/25/07 11:12
1,2-Dibromo-3-chloropropane	50.0	42.5		ug/kg	85%	58 - 139	7043532	04/25/07 11:12
1,2-Dibromoethane (EDB)	50.0	49.9		ug/kg	100%	79 - 129	7043532	04/25/07 11:12
Dibromomethane	50.0	56.4		ug/kg	113%	75 - 129	7043532	04/25/07 11:12
1,4-Dichlorobenzene	50.0	50.0		ug/kg	100%	70 - 132	7043532	04/25/07 11:12
1,3-Dichlorobenzene	50.0	50.1		ug/kg	100%	72 - 134	7043532	04/25/07 11:12
1,2-Dichlorobenzene	50.0	50.0		ug/kg	100%	77 - 133	7043532	04/25/07 11:12

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7043532-BS1								
Dichlorodifluoromethane	50.0	42.5		ug/kg	85%	22 - 155	7043532	04/25/07 11:12
1,1-Dichloroethane	50.0	53.1		ug/kg	106%	76 - 126	7043532	04/25/07 11:12
1,2-Dichloroethane	50.0	52.1		ug/kg	104%	73 - 131	7043532	04/25/07 11:12
cis-1,2-Dichloroethene	50.0	54.2		ug/kg	108%	77 - 125	7043532	04/25/07 11:12
1,1-Dichloroethene	50.0	53.9		ug/kg	108%	72 - 128	7043532	04/25/07 11:12
trans-1,2-Dichloroethene	50.0	51.6		ug/kg	103%	76 - 127	7043532	04/25/07 11:12
1,3-Dichloropropane	50.0	48.1		ug/kg	96%	77 - 127	7043532	04/25/07 11:12
1,2-Dichloropropane	50.0	49.9		ug/kg	100%	73 - 124	7043532	04/25/07 11:12
2,2-Dichloropropane	50.0	57.0		ug/kg	114%	55 - 142	7043532	04/25/07 11:12
cis-1,3-Dichloropropene	50.0	52.7		ug/kg	105%	76 - 128	7043532	04/25/07 11:12
trans-1,3-Dichloropropene	50.0	50.4		ug/kg	101%	71 - 131	7043532	04/25/07 11:12
1,1-Dichloropropene	50.0	56.7		ug/kg	113%	79 - 134	7043532	04/25/07 11:12
Ethylbenzene	50.0	53.7		ug/kg	107%	78 - 127	7043532	04/25/07 11:12
Hexachlorobutadiene	50.0	54.4		ug/kg	109%	65 - 140	7043532	04/25/07 11:12
2-Hexanone	250	225		ug/kg	90%	58 - 141	7043532	04/25/07 11:12
Isopropylbenzene	50.0	54.6		ug/kg	109%	73 - 123	7043532	04/25/07 11:12
p-Isopropyltoluene	50.0	52.3		ug/kg	105%	70 - 130	7043532	04/25/07 11:12
Methyl tert-Butyl Ether	50.0	50.6		ug/kg	101%	62 - 129	7043532	04/25/07 11:12
Methylene Chloride	50.0	52.5		ug/kg	105%	73 - 131	7043532	04/25/07 11:12
4-Methyl-2-pentanone	250	218		ug/kg	87%	61 - 138	7043532	04/25/07 11:12
Naphthalene	50.0	52.0		ug/kg	104%	61 - 145	7043532	04/25/07 11:12
n-Propylbenzene	50.0	49.2		ug/kg	98%	71 - 135	7043532	04/25/07 11:12
Styrene	50.0	63.6		ug/kg	127%	79 - 140	7043532	04/25/07 11:12
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/kg	103%	78 - 131	7043532	04/25/07 11:12
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/kg	84%	69 - 134	7043532	04/25/07 11:12
Tetrachloroethene	50.0	55.0		ug/kg	110%	75 - 130	7043532	04/25/07 11:12
Toluene	50.0	51.9		ug/kg	104%	77 - 124	7043532	04/25/07 11:12
1,2,3-Trichlorobenzene	50.0	53.2		ug/kg	106%	57 - 151	7043532	04/25/07 11:12
1,2,4-Trichlorobenzene	50.0	54.7		ug/kg	109%	51 - 159	7043532	04/25/07 11:12
1,1,2-Trichloroethane	50.0	47.9		ug/kg	96%	76 - 128	7043532	04/25/07 11:12
1,1,1-Trichloroethane	50.0	55.8		ug/kg	112%	75 - 131	7043532	04/25/07 11:12
Trichloroethene	50.0	61.0		ug/kg	122%	77 - 129	7043532	04/25/07 11:12
Trichlorofluoromethane	50.0	52.0		ug/kg	104%	63 - 136	7043532	04/25/07 11:12
1,2,3-Trichloropropane	50.0	41.6		ug/kg	83%	40 - 160	7043532	04/25/07 11:12
1,3,5-Trimethylbenzene	50.0	50.5		ug/kg	101%	74 - 133	7043532	04/25/07 11:12
1,2,4-Trimethylbenzene	50.0	50.4		ug/kg	101%	72 - 132	7043532	04/25/07 11:12
Vinyl chloride	50.0	48.4		ug/kg	97%	65 - 135	7043532	04/25/07 11:12
Xylenes, total	150	166		ug/kg	111%	77 - 128	7043532	04/25/07 11:12
Diisopropyl Ether	50.0	47.5		ug/kg	95%	70 - 122	7043532	04/25/07 11:12
1,2-Dichloroethene (total)	100	106		ug/kg	106%	77 - 125	7043532	04/25/07 11:12
Surrogate: 1,2-Dichloroethane-d4	50.0	52.8			106%	54 - 145	7043532	04/25/07 11:12

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7043532-BS1								
Surrogate: Dibromofluoromethane	50.0	55.6			111%	67 - 129	7043532	04/25/07 11:12
Surrogate: Toluene-d8	50.0	40.5			81%	66 - 142	7043532	04/25/07 11:12
Surrogate: 4-Bromofluorobenzene	50.0	49.8			100%	68 - 150	7043532	04/25/07 11:12
7044090-BS1								
Acetone	250	208		ug/kg	83%	47 - 153	7044090	04/26/07 11:19
Benzene	50.0	59.8		ug/kg	120%	78 - 123	7044090	04/26/07 11:19
Bromobenzene	50.0	44.6		ug/kg	89%	65 - 133	7044090	04/26/07 11:19
Bromochloromethane	50.0	58.1		ug/kg	116%	74 - 133	7044090	04/26/07 11:19
Bromodichloromethane	50.0	56.7		ug/kg	113%	73 - 127	7044090	04/26/07 11:19
Bromoform	50.0	56.0		ug/kg	112%	61 - 136	7044090	04/26/07 11:19
Bromomethane	50.0	52.9		ug/kg	106%	44 - 165	7044090	04/26/07 11:19
2-Butanone	250	239		ug/kg	96%	58 - 139	7044090	04/26/07 11:19
sec-Butylbenzene	50.0	52.6		ug/kg	105%	73 - 134	7044090	04/26/07 11:19
n-Butylbenzene	50.0	49.9		ug/kg	100%	67 - 140	7044090	04/26/07 11:19
tert-Butylbenzene	50.0	51.5		ug/kg	103%	74 - 132	7044090	04/26/07 11:19
Carbon disulfide	50.0	57.2		ug/kg	114%	64 - 127	7044090	04/26/07 11:19
Carbon Tetrachloride	50.0	61.9		ug/kg	124%	72 - 136	7044090	04/26/07 11:19
Chlorobenzene	50.0	52.7		ug/kg	105%	80 - 124	7044090	04/26/07 11:19
Chlorodibromomethane	50.0	52.9		ug/kg	106%	74 - 132	7044090	04/26/07 11:19
Chloroethane	50.0	52.3		ug/kg	105%	58 - 143	7044090	04/26/07 11:19
Chloroform	50.0	52.5		ug/kg	105%	77 - 125	7044090	04/26/07 11:19
Chloromethane	50.0	46.7		ug/kg	93%	46 - 140	7044090	04/26/07 11:19
2-Chlorotoluene	50.0	47.8		ug/kg	96%	75 - 130	7044090	04/26/07 11:19
4-Chlorotoluene	50.0	46.5		ug/kg	93%	73 - 131	7044090	04/26/07 11:19
1,2-Dibromo-3-chloropropane	50.0	40.3		ug/kg	81%	58 - 139	7044090	04/26/07 11:19
1,2-Dibromoethane (EDB)	50.0	50.3		ug/kg	101%	79 - 129	7044090	04/26/07 11:19
Dibromomethane	50.0	54.5		ug/kg	109%	75 - 129	7044090	04/26/07 11:19
1,4-Dichlorobenzene	50.0	49.1		ug/kg	98%	70 - 132	7044090	04/26/07 11:19
1,3-Dichlorobenzene	50.0	49.3		ug/kg	99%	72 - 134	7044090	04/26/07 11:19
1,2-Dichlorobenzene	50.0	49.1		ug/kg	98%	77 - 133	7044090	04/26/07 11:19
Dichlorodifluoromethane	50.0	48.9		ug/kg	98%	22 - 155	7044090	04/26/07 11:19
1,1-Dichloroethane	50.0	53.1		ug/kg	106%	76 - 126	7044090	04/26/07 11:19
1,2-Dichloroethane	50.0	52.8		ug/kg	106%	73 - 131	7044090	04/26/07 11:19
cis-1,2-Dichloroethene	50.0	53.6		ug/kg	107%	77 - 125	7044090	04/26/07 11:19
1,1-Dichloroethene	50.0	53.7		ug/kg	107%	72 - 128	7044090	04/26/07 11:19
trans-1,2-Dichloroethene	50.0	51.9		ug/kg	104%	76 - 127	7044090	04/26/07 11:19
1,3-Dichloropropane	50.0	48.1		ug/kg	96%	77 - 127	7044090	04/26/07 11:19
1,2-Dichloropropane	50.0	50.7		ug/kg	101%	73 - 124	7044090	04/26/07 11:19
2,2-Dichloropropane	50.0	58.2		ug/kg	116%	55 - 142	7044090	04/26/07 11:19
cis-1,3-Dichloropropene	50.0	50.9		ug/kg	102%	76 - 128	7044090	04/26/07 11:19
trans-1,3-Dichloropropene	50.0	50.8		ug/kg	102%	71 - 131	7044090	04/26/07 11:19

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7044090-BS1								
1,1-Dichloropropene	50.0	58.8		ug/kg	118%	79 - 134	7044090	04/26/07 11:19
Ethylbenzene	50.0	53.8		ug/kg	108%	78 - 127	7044090	04/26/07 11:19
Hexachlorobutadiene	50.0	52.0		ug/kg	104%	65 - 140	7044090	04/26/07 11:19
2-Hexanone	250	212		ug/kg	85%	58 - 141	7044090	04/26/07 11:19
Isopropylbenzene	50.0	54.3		ug/kg	109%	73 - 123	7044090	04/26/07 11:19
p-Isopropyltoluene	50.0	51.3		ug/kg	103%	70 - 130	7044090	04/26/07 11:19
Methyl tert-Butyl Ether	50.0	48.3		ug/kg	97%	62 - 129	7044090	04/26/07 11:19
Methylene Chloride	50.0	53.7		ug/kg	107%	73 - 131	7044090	04/26/07 11:19
4-Methyl-2-pentanone	250	200		ug/kg	80%	61 - 138	7044090	04/26/07 11:19
Naphthalene	50.0	45.4		ug/kg	91%	61 - 145	7044090	04/26/07 11:19
n-Propylbenzene	50.0	48.4		ug/kg	97%	71 - 135	7044090	04/26/07 11:19
Styrene	50.0	62.0		ug/kg	124%	79 - 140	7044090	04/26/07 11:19
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/kg	106%	78 - 131	7044090	04/26/07 11:19
1,1,2,2-Tetrachloroethane	50.0	42.6		ug/kg	85%	69 - 134	7044090	04/26/07 11:19
Tetrachloroethene	50.0	57.4		ug/kg	115%	75 - 130	7044090	04/26/07 11:19
Toluene	50.0	51.6		ug/kg	103%	77 - 124	7044090	04/26/07 11:19
1,2,3-Trichlorobenzene	50.0	47.6		ug/kg	95%	57 - 151	7044090	04/26/07 11:19
1,2,4-Trichlorobenzene	50.0	47.9		ug/kg	96%	51 - 159	7044090	04/26/07 11:19
1,1,2-Trichloroethane	50.0	48.5		ug/kg	97%	76 - 128	7044090	04/26/07 11:19
1,1,1-Trichloroethane	50.0	58.2		ug/kg	116%	75 - 131	7044090	04/26/07 11:19
Trichloroethene	50.0	62.9		ug/kg	126%	77 - 129	7044090	04/26/07 11:19
Trichlorofluoromethane	50.0	53.9		ug/kg	108%	63 - 136	7044090	04/26/07 11:19
1,2,3-Trichloropropane	50.0	41.2		ug/kg	82%	40 - 160	7044090	04/26/07 11:19
1,3,5-Trimethylbenzene	50.0	49.9		ug/kg	100%	74 - 133	7044090	04/26/07 11:19
1,2,4-Trimethylbenzene	50.0	49.8		ug/kg	100%	72 - 132	7044090	04/26/07 11:19
Vinyl chloride	50.0	49.9		ug/kg	100%	65 - 135	7044090	04/26/07 11:19
Xylenes, total	150	164		ug/kg	109%	77 - 128	7044090	04/26/07 11:19
Diisopropyl Ether	50.0	46.8		ug/kg	94%	70 - 122	7044090	04/26/07 11:19
1,2-Dichloroethene (total)	100	106		ug/kg	106%	77 - 125	7044090	04/26/07 11:19
Surrogate: 1,2-Dichloroethane-d4	50.0	51.8			104%	54 - 145	7044090	04/26/07 11:19
Surrogate: Dibromofluoromethane	50.0	54.6			109%	67 - 129	7044090	04/26/07 11:19
Surrogate: Toluene-d8	50.0	38.0			76%	66 - 142	7044090	04/26/07 11:19
Surrogate: 4-Bromofluorobenzene	50.0	49.8			100%	68 - 150	7044090	04/26/07 11:19

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
MADEP VII												
7043674-BSD1												
Methyl tert-Butyl Ether		2.56		mg/kg wet	2.50	102%	70 - 130	16	25	7043674		04/19/07 20:54
Benzene		2.55		mg/kg wet	2.50	102%	70 - 130	21	25	7043674		04/19/07 20:54
Toluene		2.50		mg/kg wet	2.50	100%	70 - 130	16	25	7043674		04/19/07 20:54
Ethylbenzene		2.61		mg/kg wet	2.50	104%	70 - 130	18	25	7043674		04/19/07 20:54
m,p-Xylene		5.22		mg/kg wet	5.00	104%	70 - 130	8	25	7043674		04/19/07 20:54
o-Xylene		2.69		mg/kg wet	2.50	108%	70 - 130	11	25	7043674		04/19/07 20:54
Naphthalene		2.56		mg/kg wet	2.50	102%	70 - 130	12	25	7043674		04/19/07 20:54
C5 - C8 Aliphatic Hydrocarbons, Unadjusted		5.75		mg/kg wet	7.50	77%	70 - 130	3	25	7043674		04/19/07 20:54
C9 - C12 Aliphatic Hydrocarbons, Unadjusted		4.31		mg/kg wet	5.00	86%	70 - 130	6	25	7043674		04/19/07 20:54
C9 - C10 Aromatic Hydrocarbons		2.72		mg/kg wet	2.50	109%	70 - 130	0.4	25	7043674		04/19/07 20:54
Surrogate: 2,5-Dibromotoluene (I/II)		36.4		ug/L	40.0	91%	70 - 130			7043674		04/19/07 20:54
Surrogate: 2,5-Dibromotoluene (PII)		36.9		ug/L	40.0	92%	70 - 130			7043674		04/19/07 20:54

Volatile Organic Compounds by EPA Method 8260B

7043532-BSD1

Acetone	239	ug/kg	250	96%	47 - 153	10	50	7043532	04/25/07 11:43
Benzene	55.9	ug/kg	50.0	112%	78 - 123	3	42	7043532	04/25/07 11:43
Bromobenzene	42.8	ug/kg	50.0	86%	65 - 133	3	48	7043532	04/25/07 11:43
Bromochloromethane	59.7	ug/kg	50.0	119%	74 - 133	2	46	7043532	04/25/07 11:43
Bromodichloromethane	57.5	ug/kg	50.0	115%	73 - 127	0.5	49	7043532	04/25/07 11:43
Bromoforn	56.8	ug/kg	50.0	114%	61 - 136	3	45	7043532	04/25/07 11:43
Bromomethane	50.9	ug/kg	50.0	102%	44 - 165	0.4	40	7043532	04/25/07 11:43
2-Butanone	274	ug/kg	250	110%	58 - 139	8	40	7043532	04/25/07 11:43
sec-Butylbenzene	50.7	ug/kg	50.0	101%	73 - 134	4	50	7043532	04/25/07 11:43
n-Butylbenzene	49.0	ug/kg	50.0	98%	67 - 140	5	50	7043532	04/25/07 11:43
tert-Butylbenzene	50.1	ug/kg	50.0	100%	74 - 132	4	50	7043532	04/25/07 11:43
Carbon disulfide	54.7	ug/kg	50.0	109%	64 - 127	1	42	7043532	04/25/07 11:43
Carbon Tetrachloride	56.5	ug/kg	50.0	113%	72 - 136	2	45	7043532	04/25/07 11:43
Chlorobenzene	50.6	ug/kg	50.0	101%	80 - 124	3	41	7043532	04/25/07 11:43
Chlorodibromomethane	52.2	ug/kg	50.0	104%	74 - 132	1	50	7043532	04/25/07 11:43
Chloroethane	51.5	ug/kg	50.0	103%	58 - 143	0.2	45	7043532	04/25/07 11:43
Chloroform	51.8	ug/kg	50.0	104%	77 - 125	0	41	7043532	04/25/07 11:43
Chloromethane	43.8	ug/kg	50.0	88%	46 - 140	6	41	7043532	04/25/07 11:43
2-Chlorotoluene	46.5	ug/kg	50.0	93%	75 - 130	4	50	7043532	04/25/07 11:43
4-Chlorotoluene	46.3	ug/kg	50.0	93%	73 - 131	3	50	7043532	04/25/07 11:43
1,2-Dibromo-3-chloropropane	45.6	ug/kg	50.0	91%	58 - 139	7	47	7043532	04/25/07 11:43
1,2-Dibromoethane (EDB)	50.3	ug/kg	50.0	101%	79 - 129	0.8	50	7043532	04/25/07 11:43
Dibromomethane	58.1	ug/kg	50.0	116%	75 - 129	3	46	7043532	04/25/07 11:43
1,4-Dichlorobenzene	48.3	ug/kg	50.0	97%	70 - 132	3	50	7043532	04/25/07 11:43
1,3-Dichlorobenzene	48.3	ug/kg	50.0	97%	72 - 134	4	50	7043532	04/25/07 11:43
1,2-Dichlorobenzene	48.8	ug/kg	50.0	98%	77 - 133	2	50	7043532	04/25/07 11:43

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
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Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
7043532-BSD1												
Dichlorodifluoromethane		41.3		ug/kg	50.0	83%	22 - 155	3	48	7043532		04/25/07 11:43
1,1-Dichloroethane		53.1		ug/kg	50.0	106%	76 - 126	0	40	7043532		04/25/07 11:43
1,2-Dichloroethane		52.9		ug/kg	50.0	106%	73 - 131	2	42	7043532		04/25/07 11:43
cis-1,2-Dichloroethene		53.8		ug/kg	50.0	108%	77 - 125	0.7	41	7043532		04/25/07 11:43
1,1-Dichloroethene		53.4		ug/kg	50.0	107%	72 - 128	0.9	40	7043532		04/25/07 11:43
trans-1,2-Dichloroethene		51.7		ug/kg	50.0	103%	76 - 127	0.2	41	7043532		04/25/07 11:43
1,3-Dichloropropane		47.9		ug/kg	50.0	96%	77 - 127	0.4	50	7043532		04/25/07 11:43
1,2-Dichloropropane		50.6		ug/kg	50.0	101%	73 - 124	1	42	7043532		04/25/07 11:43
2,2-Dichloropropane		55.6		ug/kg	50.0	111%	55 - 142	2	45	7043532		04/25/07 11:43
cis-1,3-Dichloropropene		52.0		ug/kg	50.0	104%	76 - 128	1	50	7043532		04/25/07 11:43
trans-1,3-Dichloropropene		50.5		ug/kg	50.0	101%	71 - 131	0.2	50	7043532		04/25/07 11:43
1,1-Dichloropropene		54.7		ug/kg	50.0	109%	79 - 134	4	44	7043532		04/25/07 11:43
Ethylbenzene		51.9		ug/kg	50.0	104%	78 - 127	3	42	7043532		04/25/07 11:43
Hexachlorobutadiene		51.1		ug/kg	50.0	102%	65 - 140	6	50	7043532		04/25/07 11:43
2-Hexanone		242		ug/kg	250	97%	58 - 141	7	43	7043532		04/25/07 11:43
Isopropylbenzene		53.1		ug/kg	50.0	106%	73 - 123	3	44	7043532		04/25/07 11:43
p-Isopropyltoluene		50.2		ug/kg	50.0	100%	70 - 130	4	50	7043532		04/25/07 11:43
Methyl tert-Butyl Ether		51.9		ug/kg	50.0	104%	62 - 129	3	47	7043532		04/25/07 11:43
Methylene Chloride		53.2		ug/kg	50.0	106%	73 - 131	1	43	7043532		04/25/07 11:43
4-Methyl-2-pentanone		234		ug/kg	250	94%	61 - 138	7	41	7043532		04/25/07 11:43
Naphthalene		52.8		ug/kg	50.0	106%	61 - 145	2	50	7043532		04/25/07 11:43
n-Propylbenzene		46.8		ug/kg	50.0	94%	71 - 135	5	50	7043532		04/25/07 11:43
Styrene		62.2		ug/kg	50.0	124%	79 - 140	2	50	7043532		04/25/07 11:43
1,1,1,2-Tetrachloroethane		50.7		ug/kg	50.0	101%	78 - 131	2	50	7043532		04/25/07 11:43
1,1,2,2-Tetrachloroethane		43.6		ug/kg	50.0	87%	69 - 134	3	50	7043532		04/25/07 11:43
Tetrachloroethene		53.2		ug/kg	50.0	106%	75 - 130	3	50	7043532		04/25/07 11:43
Toluene		50.2		ug/kg	50.0	100%	77 - 124	3	50	7043532		04/25/07 11:43
1,2,3-Trichlorobenzene		51.2		ug/kg	50.0	102%	57 - 151	4	48	7043532		04/25/07 11:43
1,2,4-Trichlorobenzene		52.0		ug/kg	50.0	104%	51 - 159	5	48	7043532		04/25/07 11:43
1,1,2-Trichloroethane		48.5		ug/kg	50.0	97%	76 - 128	1	50	7043532		04/25/07 11:43
1,1,1-Trichloroethane		54.7		ug/kg	50.0	109%	75 - 131	2	50	7043532		04/25/07 11:43
Trichloroethene		58.5		ug/kg	50.0	117%	77 - 129	4	50	7043532		04/25/07 11:43
Trichlorofluoromethane		52.0		ug/kg	50.0	104%	63 - 136	0	50	7043532		04/25/07 11:43
1,2,3-Trichloropropane		42.6		ug/kg	50.0	85%	40 - 160	2	49	7043532		04/25/07 11:43
1,3,5-Trimethylbenzene		48.7		ug/kg	50.0	97%	74 - 133	4	50	7043532		04/25/07 11:43
1,2,4-Trimethylbenzene		48.7		ug/kg	50.0	97%	72 - 132	3	50	7043532		04/25/07 11:43
Vinyl chloride		47.6		ug/kg	50.0	95%	65 - 135	2	41	7043532		04/25/07 11:43
Xylenes, total		162		ug/kg	150	108%	77 - 128	2	50	7043532		04/25/07 11:43
Diisopropyl Ether		47.1		ug/kg	50.0	94%	70 - 122	0.8	40	7043532		04/25/07 11:43
1,2-Dichloroethene (total)		105		ug/kg	100	105%	77 - 125	0.9	34	7043532		04/25/07 11:43
Surrogate: 1,2-Dichloroethane-d4		55.5		ug/kg	50.0	111%	54 - 145			7043532		04/25/07 11:43

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
7043532-BSD1												
<i>Surrogate: Dibromofluoromethane</i>		57.4		ug/kg	50.0	115%	67 - 129			7043532		04/25/07 11:43
<i>Surrogate: Toluene-d8</i>		39.9		ug/kg	50.0	80%	66 - 142			7043532		04/25/07 11:43
<i>Surrogate: 4-Bromofluorobenzene</i>		49.6		ug/kg	50.0	99%	68 - 150			7043532		04/25/07 11:43

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
Project Number: Former Tonys Service Center / 05-NCSL-
Received: 04/18/07 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	North Carolina
MADEP VPH	Soil	N/A	X	X
SW846 8260B	Soil	N/A	X	X
SW-846	Soil			

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQD2160
Project Name: NCTF (NCSL)
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Received: 04/18/07 08:00

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ANALYTICAL TESTING CORPORATION

Compliance Monitoring

Sampler Name: (Print Name)

Quote #: **NCTF**

QC Deliverables
☐ None
☒ Level 2
(Batch QC)
☐ Level 3
☐ Level 4
 Other:

REMARKS

LABORATORY COMMENTS:

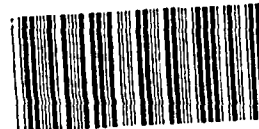
Init Lab Temp:

Rec Lab Temp:

Custody Seals: Y N N/A

Bottles Supplied by Test America: Y N

• **Method of Shipment:**



NQE007B

Cooler Received/Opened On 4-28-07 8:001. Tracking # 3111 (last 4 digits, FedEx)Courier: Fedex IR Gun ID 1015072. Temperature of rep. sample or temp blank when opened: 2-6 Degrees Celsius3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA4. Were custody seals on outside of cooler? YES...NO...NAIf yes, how many and where: 1 front5. Were the seals intact, signed, and dated correctly? YES...NO...NA6. Were custody papers inside cooler? YES...NO...NAI certify that I opened the cooler and answered questions 1-6 (initial) WJ7. Were custody seals on containers: YES NO and intact YES...NO...NAWere these signed and dated correctly? YES...NO...NA8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None10. Did all containers arrive in good condition (unbroken)? YES...NO...NA11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA12. Did all container labels and tags agree with custody papers? YES...NO...NA13a. Were VOA vials received? YES...NO...NAb. Was there any observable headspace present in any VOA vial? YES NO NA14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # 1I certify that I unloaded the cooler and answered questions 7-14 (initial) WJ15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NAb. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES...NO...NAI certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) WJ17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA18. Did you sign the custody papers in the appropriate place? YES...NO...NA19. Were correct containers used for the analysis requested? YES...NO...NA20. Was sufficient amount of sample sent in each container? YES...NO...NAI certify that I entered this project into LIMS and answered questions 17-20 (initial) WJI certify that I attached a label with the unique LIMS number to each container (initial) WJ

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

TestAmerica

ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

May 11, 2007

12:55:52PM

Client: Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn: Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Nbr: 05-NCSL-126/Former Tonys Service Station
P/O Nbr:
Date Received: 04/28/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NQE0078-01	04/26/07 15:25

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

North Carolina Certification Number: 387

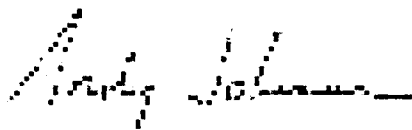
The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Andy Johnson

Operations Manager

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE0078-01 (MW-1 - Ground Water) Sampled: 04/26/07 15:25								
MADEP VPH								
C5 - C8 Aliphatic Hydrocarbons	370		ug/L	100	1	05/02/07 13:44	MADEP VPH	7050346
C9 - C12 Aliphatic Hydrocarbons	ND		ug/L	100	1	05/02/07 13:44	MADEP VPH	7050346
C9 - C10 Aromatic Hydrocarbons	70.8		ug/L	50.0	1	05/02/07 13:44	MADEP VPH	7050346
Surr: 2,5-Dibromotoluene (FID) (70-130%)	112 %					05/02/07 13:44	MADEP VPH	7050346
Surr: 2,5-Dibromotoluene (PID) (70-130%)	99 %					05/02/07 13:44	MADEP VPH	7050346
Volatile Organic Compounds by SM 6210D								
Benzene	14.0		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Bromobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Bromochloromethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Bromodichloromethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Bromoform	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Bromomethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
n-Butylbenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
tert-Butylbenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
sec-Butylbenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Carbon disulfide	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Carbon Tetrachloride	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Chlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Chlorodibromomethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Chloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Chloroform	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Chloromethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
4-Chlorotoluene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
2-Chlorotoluene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2-Dibromo-3-chloropropane	ND		ug/L	2.00	1	05/09/07 04:50	SM 6210D	7051338
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Dibromomethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,4-Dichlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2-Dichlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,3-Dichlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Dichlorodifluoromethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1-Dichloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2-Dichloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
trans-1,2-Dichloroethene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1-Dichloroethene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
cis-1,2-Dichloroethene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2-Dichloropropane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,3-Dichloropropane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
2,2-Dichloropropane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
trans-1,3-Dichloropropene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
cis-1,3-Dichloropropene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1-Dichloropropene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Ethylbenzene	3.04		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE0078-01 (MW-1 - Ground Water) - cont. Sampled: 04/26/07 15:25								
Volatile Organic Compounds by SM 6210D - cont.								
Hexachlorobutadiene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Isopropylbenzene	3.49		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
p-Isopropyltoluene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Methylene Chloride	ND		ug/L	10.0	1	05/09/07 04:50	SM 6210D	7051338
Naphthalene	ND		ug/L	5.00	1	05/09/07 04:50	SM 6210D	7051338
n-Propylbenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Styrene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Tetrachloroethene	0.500		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Toluene	3.03		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2,3-Trichlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2,4-Trichlorobenzene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1,2-Trichloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,1,1-Trichloroethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Trichloroethene	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Trichlorofluoromethane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2,3-Trichloropropane	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,3,5-Trimethylbenzene	1.87		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
1,2,4-Trimethylbenzene	1.73		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Vinyl chloride	ND		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Xylenes, total	6.52		ug/L	1.00	1	05/09/07 04:50	SM 6210D	7051338
Methyl tert-Butyl Ether	159		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Diisopropyl Ether	40.9		ug/L	0.500	1	05/09/07 04:50	SM 6210D	7051338
Surr: 1,2-Dichloroethane-d4 (58-148%)	113 %					05/09/07 04:50	SM 6210D	7051338
Surr: Dibromofluoromethane (73-130%)	108 %					05/09/07 04:50	SM 6210D	7051338
Surr: Toluene-d8 (68-117%)	97 %					05/09/07 04:50	SM 6210D	7051338
Surr: 4-Bromofluorobenzene (70-133%)	93 %					05/09/07 04:50	SM 6210D	7051338

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
MADEP VPH							
MADEP VPH	7050346	NQE0078-01	5.00	5.00	04/26/07 15:25	JHC	MADEP

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
MADEP VPH						
7050346-BLK1						
Methyl tert-Butyl Ether	<0.380		ug/L	7050346	7050346-BLK1	05/02/07 11:18
Benzene	<0.610		ug/L	7050346	7050346-BLK1	05/02/07 11:18
Toluene	<0.600		ug/L	7050346	7050346-BLK1	05/02/07 11:18
Ethylbenzene	<0.460		ug/L	7050346	7050346-BLK1	05/02/07 11:18
m,p-Xylene	<0.840		ug/L	7050346	7050346-BLK1	05/02/07 11:18
o-Xylene	<0.710		ug/L	7050346	7050346-BLK1	05/02/07 11:18
Naphthalene	<1.65		ug/L	7050346	7050346-BLK1	05/02/07 11:18
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	<50.0		ug/L	7050346	7050346-BLK1	05/02/07 11:18
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	<50.0		ug/L	7050346	7050346-BLK1	05/02/07 11:18
C9 - C10 Aromatic Hydrocarbons	<50.0		ug/L	7050346	7050346-BLK1	05/02/07 11:18
Surrogate: 2,5-Dibromotoluene (I-11)	121%			7050346	7050346-BLK1	05/02/07 11:18
Surrogate: 2,5-Dibromotoluene (P-11)	112%			7050346	7050346-BLK1	05/02/07 11:18

Volatile Organic Compounds by SM 6210D

7051338-BLK1

Benzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Bromobenzene	<0.110		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Bromochloromethane	<0.170		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Bromodichloromethane	<0.140		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Bromoform	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Bromomethane	<0.150		ug/L	7051338	7051338-BLK1	05/09/07 00:15
n-Butylbenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
tert-Butylbenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
sec-Butylbenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Carbon disulfide	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Carbon Tetrachloride	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Chlorobenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Chlorodibromomethane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Chloroethane	<0.140		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Chloroform	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Chloromethane	<0.130		ug/L	7051338	7051338-BLK1	05/09/07 00:15
4-Chlorotoluene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
2-Chlorotoluene	<0.120		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2-Dibromo-3-chloropropane	<0.310		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2-Dibromoethane (EDB)	<0.140		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Dibromomethane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,4-Dichlorobenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2-Dichlorobenzene	<0.120		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,3-Dichlorobenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Dichlorodifluoromethane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1-Dichloroethane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by SM 6210D						
7051338-BLK1						
1,2-Dichloroethane	<0.210		ug/L	7051338	7051338-BLK1	05/09/07 00:15
trans-1,2-Dichloroethene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1-Dichloroethene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
cis-1,2-Dichloroethene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2-Dichloropropane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,3-Dichloropropane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
2,2-Dichloropropane	<0.150		ug/L	7051338	7051338-BLK1	05/09/07 00:15
trans-1,3-Dichloropropene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
cis-1,3-Dichloropropene	<0.160		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1-Dichloropropene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Ethylbenzene	<0.150		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Hexachlorobutadiene	<0.130		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Isopropylbenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
p-Isopropyltoluene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Methylene Chloride	1.05		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Naphthalene	<0.650		ug/L	7051338	7051338-BLK1	05/09/07 00:15
n-Propylbenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Styrene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1,2,2-Tetrachloroethane	<0.130		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1,1,2-Tetrachloroethane	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Tetrachloroethene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Toluene	<0.220		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2,3-Trichlorobenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2,4-Trichlorobenzene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1,2-Trichloroethane	<0.120		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,1,1-Trichloroethane	<0.120		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Trichloroethene	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Trichlorofluoromethane	<0.190		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2,3-Trichloropropane	<0.240		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,3,5-Trimethylbenzene	<0.110		ug/L	7051338	7051338-BLK1	05/09/07 00:15
1,2,4-Trimethylbenzene	<0.170		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Vinyl chloride	<0.130		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Xylenes, total	<0.320		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Methyl tert-Butyl Ether	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Diisopropyl Ether	<0.100		ug/L	7051338	7051338-BLK1	05/09/07 00:15
Surrogate: 1,2-Dichloroethane-d4	111%			7051338	7051338-BLK1	05/09/07 00:15
Surrogate: Dibromofluoromethane	110%			7051338	7051338-BLK1	05/09/07 00:15
Surrogate: Toluene-d8	98%			7051338	7051338-BLK1	05/09/07 00:15
Surrogate: 4-Bromofluorobenzene	91%			7051338	7051338-BLK1	05/09/07 00:15

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
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Work Order: NQE0078
Project Name: NCTF (NCSL)
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Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
MADEP VPH								
7050346-BS1								
Methyl tert-Butyl Ether	50.0	45.7		ug/L	91%	70 - 130	7050346	05/02/07 19:35
Benzene	50.0	48.6		ug/L	97%	70 - 130	7050346	05/02/07 19:35
Toluene	50.0	48.2		ug/L	96%	70 - 130	7050346	05/02/07 19:35
Ethylbenzene	50.0	49.2		ug/L	98%	70 - 130	7050346	05/02/07 19:35
m,p-Xylene	100	101		ug/L	101%	70 - 130	7050346	05/02/07 19:35
o-Xylene	50.0	50.0		ug/L	100%	70 - 130	7050346	05/02/07 19:35
Naphthalene	50.0	38.5		ug/L	77%	70 - 130	7050346	05/02/07 19:35
C5 - C8 Aliphatic Hydrocarbons, Unadjusted	150	173		ug/L	115%	70 - 130	7050346	05/02/07 19:35
C9 - C12 Aliphatic Hydrocarbons, Unadjusted	100	92.1		ug/L	92%	70 - 130	7050346	05/02/07 19:35
C9 - C10 Aromatic Hydrocarbons	50.0	48.6		ug/L	97%	70 - 130	7050346	05/02/07 19:35
Surrogate: 2,5-Dibromotoluene (I-11)	40.0	44.2			110%	70 - 130	7050346	05/02/07 19:35
Surrogate: 2,5-Dibromotoluene (P-11)	40.0	40.7			102%	70 - 130	7050346	05/02/07 19:35

Volatile Organic Compounds by SM 6210D

7051338-BS1

Benzene	50.0	48.2		ug/L	96%	70 - 130	7051338	05/08/07 22:35
Bromobenzene	50.0	42.7		ug/L	85%	70 - 130	7051338	05/08/07 22:35
Bromochloromethane	50.0	58.4		ug/L	117%	70 - 130	7051338	05/08/07 22:35
Bromodichloromethane	50.0	54.3		ug/L	109%	70 - 130	7051338	05/08/07 22:35
Bromoforn	50.0	49.6		ug/L	99%	70 - 130	7051338	05/08/07 22:35
Bromomethane	50.0	44.0		ug/L	88%	60 - 140	7051338	05/08/07 22:35
n-Butylbenzene	50.0	43.6		ug/L	87%	70 - 130	7051338	05/08/07 22:35
tert-Butylbenzene	50.0	45.7		ug/L	91%	70 - 130	7051338	05/08/07 22:35
sec-Butylbenzene	50.0	44.9		ug/L	90%	70 - 130	7051338	05/08/07 22:35
Carbon disulfide	50.0	50.4		ug/L	101%	70 - 130	7051338	05/08/07 22:35
Carbon Tetrachloride	50.0	56.8		ug/L	114%	70 - 130	7051338	05/08/07 22:35
Chlorobenzene	50.0	51.7		ug/L	103%	70 - 130	7051338	05/08/07 22:35
Chlorodibromomethane	50.0	50.1		ug/L	100%	70 - 130	7051338	05/08/07 22:35
Chloroethane	50.0	44.7		ug/L	89%	60 - 140	7051338	05/08/07 22:35
Chloroform	50.0	52.2		ug/L	104%	70 - 130	7051338	05/08/07 22:35
Chloromethane	50.0	30.8		ug/L	62%	60 - 140	7051338	05/08/07 22:35
4-Chlorotoluene	50.0	44.5		ug/L	89%	70 - 130	7051338	05/08/07 22:35
2-Chlorotoluene	50.0	44.0		ug/L	88%	70 - 130	7051338	05/08/07 22:35
1,2-Dibromo-3-chloropropane	50.0	44.9		ug/L	90%	70 - 130	7051338	05/08/07 22:35
1,2-Dibromoethane (EDB)	50.0	53.4		ug/L	107%	70 - 130	7051338	05/08/07 22:35
Dibromomethane	50.0	52.1		ug/L	104%	70 - 130	7051338	05/08/07 22:35
1,4-Dichlorobenzene	50.0	48.2		ug/L	96%	70 - 130	7051338	05/08/07 22:35
1,2-Dichlorobenzene	50.0	48.7		ug/L	97%	70 - 130	7051338	05/08/07 22:35
1,3-Dichlorobenzene	50.0	47.7		ug/L	95%	70 - 130	7051338	05/08/07 22:35
Dichlorodifluoromethane	50.0	35.7		ug/L	71%	60 - 140	7051338	05/08/07 22:35
1,1-Dichloroethane	50.0	47.8		ug/L	96%	70 - 130	7051338	05/08/07 22:35

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
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Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by SM 6210D								
7051338-BS1								
1,2-Dichloroethane	50.0	52.7		ug/L	105%	70 - 130	7051338	05/08/07 22:35
trans-1,2-Dichloroethene	50.0	50.1		ug/L	100%	70 - 130	7051338	05/08/07 22:35
1,1-Dichloroethene	50.0	52.1		ug/L	104%	70 - 130	7051338	05/08/07 22:35
cis-1,2-Dichloroethene	50.0	48.5		ug/L	97%	70 - 130	7051338	05/08/07 22:35
1,2-Dichloropropane	50.0	42.9		ug/L	86%	70 - 130	7051338	05/08/07 22:35
1,3-Dichloropropane	50.0	50.6		ug/L	101%	70 - 130	7051338	05/08/07 22:35
2,2-Dichloropropane	50.0	41.8		ug/L	84%	70 - 130	7051338	05/08/07 22:35
trans-1,3-Dichloropropene	50.0	43.5		ug/L	87%	70 - 130	7051338	05/08/07 22:35
cis-1,3-Dichloropropene	50.0	44.3		ug/L	89%	70 - 130	7051338	05/08/07 22:35
1,1-Dichloropropene	50.0	49.9		ug/L	100%	70 - 130	7051338	05/08/07 22:35
Ethylbenzene	50.0	48.4		ug/L	97%	70 - 130	7051338	05/08/07 22:35
Hexachlorobutadiene	50.0	55.2		ug/L	110%	70 - 130	7051338	05/08/07 22:35
Isopropylbenzene	50.0	46.2		ug/L	92%	70 - 130	7051338	05/08/07 22:35
p-Isopropyltoluene	50.0	45.0		ug/L	90%	70 - 130	7051338	05/08/07 22:35
Methylene Chloride	50.0	47.1		ug/L	94%	70 - 130	7051338	05/08/07 22:35
Naphthalene	50.0	50.0		ug/L	100%	70 - 130	7051338	05/08/07 22:35
n-Propylbenzene	50.0	43.8		ug/L	88%	70 - 130	7051338	05/08/07 22:35
Styrene	50.0	55.0		ug/L	110%	70 - 130	7051338	05/08/07 22:35
1,1,2,2-Tetrachloroethane	50.0	47.4		ug/L	95%	70 - 130	7051338	05/08/07 22:35
1,1,1,2-Tetrachloroethane	50.0	56.5		ug/L	113%	70 - 130	7051338	05/08/07 22:35
Tetrachloroethene	50.0	60.0		ug/L	120%	70 - 130	7051338	05/08/07 22:35
Toluene	50.0	47.0		ug/L	94%	70 - 130	7051338	05/08/07 22:35
1,2,3-Trichlorobenzene	50.0	51.7		ug/L	103%	70 - 130	7051338	05/08/07 22:35
1,2,4-Trichlorobenzene	50.0	50.2		ug/L	100%	70 - 130	7051338	05/08/07 22:35
1,1,2-Trichloroethane	50.0	54.9		ug/L	110%	70 - 130	7051338	05/08/07 22:35
1,1,1-Trichloroethane	50.0	51.9		ug/L	104%	70 - 130	7051338	05/08/07 22:35
Trichloroethene	50.0	55.5		ug/L	111%	70 - 130	7051338	05/08/07 22:35
Trichlorofluoromethane	50.0	48.5		ug/L	97%	60 - 140	7051338	05/08/07 22:35
1,2,3-Trichloropropane	50.0	38.4		ug/L	77%	70 - 130	7051338	05/08/07 22:35
1,3,5-Trimethylbenzene	50.0	45.0		ug/L	90%	70 - 130	7051338	05/08/07 22:35
1,2,4-Trimethylbenzene	50.0	44.5		ug/L	89%	70 - 130	7051338	05/08/07 22:35
Vinyl chloride	50.0	39.3		ug/L	79%	60 - 140	7051338	05/08/07 22:35
Xylenes, total	150	145		ug/L	97%	70 - 130	7051338	05/08/07 22:35
Methyl tert-Butyl Ether	50.0	47.2		ug/L	94%	70 - 130	7051338	05/08/07 22:35
Diisopropyl Ether	50.0	45.4		ug/L	91%	70 - 130	7051338	05/08/07 22:35
Surrogate: 1,2-Dichloroethane-d4	25.0	27.2			109%	58 - 148	7051338	05/08/07 22:35
Surrogate: Dibromofluoromethane	25.0	27.6			110%	73 - 130	7051338	05/08/07 22:35
Surrogate: Toluene-d8	25.0	24.6			98%	68 - 117	7051338	05/08/07 22:35
Surrogate: 4-Bromofluorobenzene	25.0	22.5			90%	70 - 133	7051338	05/08/07 22:35

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
MADEP VPH												
7050346-BSD1												
Methyl tert-Butyl Ether		45.9		ug/L	50.0	92%	70 - 130	0.4	25	7050346		05/02/07 08:50
Benzene		51.4		ug/L	50.0	103%	70 - 130	6	25	7050346		05/02/07 08:50
Toluene		50.6		ug/L	50.0	101%	70 - 130	5	25	7050346		05/02/07 08:50
Ethylbenzene		51.2		ug/L	50.0	102%	70 - 130	4	25	7050346		05/02/07 08:50
m,p-Xylene		107		ug/L	100	107%	70 - 130	6	25	7050346		05/02/07 08:50
o-Xylene		52.0		ug/L	50.0	104%	70 - 130	4	25	7050346		05/02/07 08:50
Naphthalene		42.4		ug/L	50.0	85%	70 - 130	10	25	7050346		05/02/07 08:50
C5 - C8 Aliphatic Hydrocarbons, Unadjusted		174		ug/L	150	116%	70 - 130	0.6	25	7050346		05/02/07 08:50
C9 - C12 Aliphatic Hydrocarbons, Unadjusted		98.5		ug/L	100	98%	70 - 130	7	25	7050346		05/02/07 08:50
C9 - C10 Aromatic Hydrocarbons		51.6		ug/L	50.0	103%	70 - 130	6	25	7050346		05/02/07 08:50
<i>Surrogate: 2,5-Dibromotoluene (I-II)</i>		46.3		ug/L	40.0	116%	70 - 130			7050346		05/02/07 08:50
<i>Surrogate: 2,5-Dibromotoluene (III)</i>		43.7		ug/L	40.0	109%	70 - 130			7050346		05/02/07 08:50
Volatile Organic Compounds by SM 6210D												
7051338-BSD1												
Benzene		48.7		ug/L	50.0	97%	70 - 130	1	20	7051338		05/08/07 23:00
Bromobenzene		43.8		ug/L	50.0	88%	70 - 130	3	20	7051338		05/08/07 23:00
Bromochloromethane		58.1		ug/L	50.0	116%	70 - 130	0.5	20	7051338		05/08/07 23:00
Bromodichloromethane		54.8		ug/L	50.0	110%	70 - 130	0.9	20	7051338		05/08/07 23:00
Bromoform		51.7		ug/L	50.0	103%	70 - 130	4	20	7051338		05/08/07 23:00
Bromomethane		45.0		ug/L	50.0	90%	60 - 140	2	20	7051338		05/08/07 23:00
n-Butylbenzene		44.6		ug/L	50.0	89%	70 - 130	2	20	7051338		05/08/07 23:00
tert-Butylbenzene		46.5		ug/L	50.0	93%	70 - 130	2	20	7051338		05/08/07 23:00
sec-Butylbenzene		46.3		ug/L	50.0	93%	70 - 130	3	20	7051338		05/08/07 23:00
Carbon disulfide		51.1		ug/L	50.0	102%	70 - 130	1	20	7051338		05/08/07 23:00
Carbon Tetrachloride		57.4		ug/L	50.0	115%	70 - 130	1	20	7051338		05/08/07 23:00
Chlorobenzene		51.8		ug/L	50.0	104%	70 - 130	0.2	20	7051338		05/08/07 23:00
Chlorodibromomethane		50.7		ug/L	50.0	101%	70 - 130	1	20	7051338		05/08/07 23:00
Chloroethane		45.5		ug/L	50.0	91%	60 - 140	2	20	7051338		05/08/07 23:00
Chloroform		52.3		ug/L	50.0	105%	70 - 130	0.2	20	7051338		05/08/07 23:00
Chloromethane		33.0		ug/L	50.0	66%	60 - 140	7	20	7051338		05/08/07 23:00
4-Chlorotoluene		44.9		ug/L	50.0	90%	70 - 130	0.9	20	7051338		05/08/07 23:00
2-Chlorotoluene		45.1		ug/L	50.0	90%	70 - 130	2	20	7051338		05/08/07 23:00
1,2-Dibromo-3-chloropropane		46.3		ug/L	50.0	93%	70 - 130	3	20	7051338		05/08/07 23:00
1,2-Dibromoethane (EDB)		54.1		ug/L	50.0	108%	70 - 130	1	20	7051338		05/08/07 23:00
Dibromomethane		53.0		ug/L	50.0	106%	70 - 130	2	20	7051338		05/08/07 23:00
1,4-Dichlorobenzene		49.3		ug/L	50.0	99%	70 - 130	2	20	7051338		05/08/07 23:00
1,2-Dichlorobenzene		49.8		ug/L	50.0	100%	70 - 130	2	20	7051338		05/08/07 23:00
1,3-Dichlorobenzene		48.6		ug/L	50.0	97%	70 - 130	2	20	7051338		05/08/07 23:00
Dichlorodifluoromethane		35.8		ug/L	50.0	72%	60 - 140	0.3	20	7051338		05/08/07 23:00
1,1-Dichloroethane		47.8		ug/L	50.0	96%	70 - 130	0	20	7051338		05/08/07 23:00

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
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Work Order: NQE0078
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Received: 04/28/07 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by SM 6210D												
7051338-BSD1												
1,2-Dichloroethane		53.2		ug/L	50.0	106%	70 - 130	0.9	20	7051338		05/08/07 23:00
trans-1,2-Dichloroethene		50.1		ug/L	50.0	100%	70 - 130	0	20	7051338		05/08/07 23:00
1,1-Dichloroethene		52.4		ug/L	50.0	105%	70 - 130	0.6	20	7051338		05/08/07 23:00
cis-1,2-Dichloroethene		48.5		ug/L	50.0	97%	70 - 130	0	20	7051338		05/08/07 23:00
1,2-Dichloropropane		43.2		ug/L	50.0	86%	70 - 130	0.7	20	7051338		05/08/07 23:00
1,3-Dichloropropane		50.8		ug/L	50.0	102%	70 - 130	0.4	20	7051338		05/08/07 23:00
2,2-Dichloropropane		41.9		ug/L	50.0	84%	70 - 130	0.2	20	7051338		05/08/07 23:00
trans-1,3-Dichloropropene		44.6		ug/L	50.0	89%	70 - 130	2	20	7051338		05/08/07 23:00
cis-1,3-Dichloropropene		44.8		ug/L	50.0	90%	70 - 130	1	20	7051338		05/08/07 23:00
1,1-Dichloropropene		50.2		ug/L	50.0	100%	70 - 130	0.6	20	7051338		05/08/07 23:00
Ethylbenzene		48.9		ug/L	50.0	98%	70 - 130	1	20	7051338		05/08/07 23:00
Hexachlorobutadiene		56.4		ug/L	50.0	113%	70 - 130	2	20	7051338		05/08/07 23:00
Isopropylbenzene		46.3		ug/L	50.0	93%	70 - 130	0.2	20	7051338		05/08/07 23:00
p-Isopropyltoluene		45.9		ug/L	50.0	92%	70 - 130	2	20	7051338		05/08/07 23:00
Methylene Chloride		47.5		ug/L	50.0	95%	70 - 130	0.8	20	7051338		05/08/07 23:00
Naphthalene		51.0		ug/L	50.0	102%	70 - 130	2	20	7051338		05/08/07 23:00
n-Propylbenzene		44.9		ug/L	50.0	90%	70 - 130	2	20	7051338		05/08/07 23:00
Styrene		55.2		ug/L	50.0	110%	70 - 130	0.4	20	7051338		05/08/07 23:00
1,1,2,2-Tetrachloroethane		45.3		ug/L	50.0	91%	70 - 130	5	20	7051338		05/08/07 23:00
1,1,1,2-Tetrachloroethane		57.5		ug/L	50.0	115%	70 - 130	2	20	7051338		05/08/07 23:00
Tetrachloroethene		61.3		ug/L	50.0	123%	70 - 130	2	20	7051338		05/08/07 23:00
Toluene		47.2		ug/L	50.0	94%	70 - 130	0.4	20	7051338		05/08/07 23:00
1,2,3-Trichlorobenzene		53.3		ug/L	50.0	107%	70 - 130	3	20	7051338		05/08/07 23:00
1,2,4-Trichlorobenzene		51.4		ug/L	50.0	103%	70 - 130	2	20	7051338		05/08/07 23:00
1,1,2-Trichloroethane		54.9		ug/L	50.0	110%	70 - 130	0	20	7051338		05/08/07 23:00
1,1,1-Trichloroethane		52.5		ug/L	50.0	105%	70 - 130	1	20	7051338		05/08/07 23:00
Trichloroethene		56.7		ug/L	50.0	113%	70 - 130	2	20	7051338		05/08/07 23:00
Trichlorofluoromethane		48.9		ug/L	50.0	98%	60 - 140	0.8	20	7051338		05/08/07 23:00
1,2,3-Trichloropropane		39.9		ug/L	50.0	80%	70 - 130	4	20	7051338		05/08/07 23:00
1,3,5-Trimethylbenzene		46.1		ug/L	50.0	92%	70 - 130	2	20	7051338		05/08/07 23:00
1,2,4-Trimethylbenzene		45.4		ug/L	50.0	91%	70 - 130	2	20	7051338		05/08/07 23:00
Vinyl chloride		39.6		ug/L	50.0	79%	60 - 140	0.8	20	7051338		05/08/07 23:00
Xylenes, total		146		ug/L	150	97%	70 - 130	0.7	20	7051338		05/08/07 23:00
Methyl tert-Butyl Ether		47.7		ug/L	50.0	95%	70 - 130	1	20	7051338		05/08/07 23:00
Diisopropyl Ether		45.6		ug/L	50.0	91%	70 - 130	0.4	20	7051338		05/08/07 23:00
Surrogate: 1,2-Dichloroethane-d4		27.2		ug/L	25.0	109%	58 - 148			7051338		05/08/07 23:00
Surrogate: Dibromofluoromethane		27.5		ug/L	25.0	110%	73 - 130			7051338		05/08/07 23:00
Surrogate: Toluene-d8		24.4		ug/L	25.0	98%	68 - 117			7051338		05/08/07 23:00
Surrogate: 4-Bromofluorobenzene		22.7		ug/L	25.0	91%	70 - 133			7051338		05/08/07 23:00

Client Terraine, Inc. (8000)
4002 Sutherland Avenue
Knoxville, TN 37919
Attn Daniel Hockett

Work Order: NQE0078
Project Name: NCTF (NCSL)
Project Number: 05-NCSL-126/Former Tonys Service Station
Received: 04/28/07 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	North Carolina
MADEP VPH	Water	N/A	X	X
SM 6210D	Water	N/A	X	X



TERRAINE Environmental Consulting

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Monitoring Well Installation and Groundwater Monitoring Report

Incident No. 18088

Former Tony's Service Station

**422 East Virginia Avenue
Bessemer City, North Carolina
Gaston County**

**Latitude: 35° 17' 0" N
Longitude: 81° 16' 37" W**

RECEIVED/DENR
DWM UST SECTION
08 NOV 24 PM 12:22

Prepared For:

North Carolina Department of Environment and Natural Resources
1637 Mail Service Center
Raleigh, North Carolina 27699-1637

Prepared By:

Terraine, Inc.
600 Towne Centre Blvd. Suite 103
Pineville, North Carolina 28134

NCDENR Contract No. N05015-5C
Terraine Project No. 05-NCSL-126

November 19, 2008

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November 19, 2008



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Monitoring Well Installation and Groundwater Monitoring Report

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November 19, 2008

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Figure 5	Monitoring Well Locations & Analytical Data Map	App B

Appendices

Appendix A Tables

Appendix B Figures

Appendix C

- Boring Log Key
- Soil Boring Log
- Well Construction Record

Appendix D

- Soil Sample Chain of Custody Form
- Soil Sample Certificates of Analyses
- Groundwater Sample Chain of Custody Form
- Groundwater Sample Certificates of Analyses

Acronyms

bsg	Below surface grade
DPT	Direct Push Technology
EDB	1,2-Dibromoethane
EPA	Environmental Protection Agency
IPE	Diisopropyl ether
LSA	Limited Site Assessment
mg/kg	Milligrams per kilogram
MSCC	Maximum Soil Contaminant Concentration
MTBE	Methyl tert-butyl ether
NA	Not analyzed
ND	None detected (below method reporting limits)
NE	No standard established
ppb	Parts per billion
ppm	Parts per million
Terraine	Terraine, Inc.
UST	Underground storage tank
2L	15A NCAC 2L .0202
VOCs	Volatile organic compounds

I. Signature Page

We, the undersigned, do hereby affirm that the information contained in this report is accurate and correct to the best of our knowledge and belief.

Angela Baioni

Angela Baioni
Environmental Scientist
Terraine, Inc.

11/19/2008

Date

Burke Cathey

Burke Cathey
Project Manager
Terraine, Inc.

11/19/2008

Date

Kimberly S. Caudill

Kimberly S. Caudill, P.G.
North Carolina Licensed Geologist # 2074
Senior Geologist
Terraine, Inc.

11/19/2008

Date



II. Introduction

The former Tony's Service Station property is located at 422 East Virginia Avenue, Bessemer City in Gaston County, North Carolina (**Figures 1 and 2, Appendix B**). A used automobile sales shop currently operates at the property. Two 4,000-gallon gasoline underground storage tanks (USTs) were installed in 1966, and one 2,000-gallon gasoline UST was installed in 1986 (**Figure 3**). The UST system was last used on October 25, 1997. A release is believed to have occurred prior to the in-place closure of the UST system on November 4, 1997 by CBM Environmental Services, Inc. Laboratory analytical results of soil samples collected in the vicinity of the USTs, product lines, and dispenser island during closure activities indicated concentrations of total petroleum hydrocarbons (gasoline range organics) that exceeded the Maximum Soil Contaminant Concentration (MSCC) soil to groundwater standards.

On April 16, 2007, Terraine, Inc. (Terraine) personnel conducted a Phase I Limited Site Assessment (LSA) and installed one Type II monitoring well MW-1 to a depth of 30 feet below surface grade (bsg). Benzene was identified at a concentration exceeding the Soil-to-Water MSCC in a soil sample collected at 20 feet bsg during well installation activities. On April 26, 2007, Terraine personnel collected a groundwater sample, and benzene was identified at a concentration exceeding the 15A NCAC 02L .0202 (2L) groundwater standard by a factor of ten.

A receptor survey was conducted as part of Phase I LSA activities, and no water supply wells or other receptors were identified within 1,500 feet of the source area. Terraine recommended the site be classified as "Low Risk" despite the concentration of benzene detected in monitoring well MW-1. Based on current zoning and use of the site, a commercial land use classification should be assigned.

The following report documents the field activities and results of a monitoring well installation and groundwater monitoring event conducted by Terraine in September 2008.

III. Monitoring Well Installation Activities

On September 22, 2008, Terraine supervised the advancement of soil boring SB-2 by Geological Exploration, Inc. using a track-mounted direct push technology (DPT) Geoprobe® 6620DPT.

Soil boring SB-2 was installed on the west side and slightly downgradient of the dispenser island (**Figure 3**). Asphalt was encountered in soil boring SB-2 from ground surface to 6 inches bsg. Dark brown sandy silt with a strong petroleum odor was observed from 6 inches bsg to 1 foot bsg and was underlain by tightly packed red clay to 5 feet bsg. Saprolite with light red clay and yellow brown mottling was encountered from 5 feet to 9 feet bsg. A band of red clay was encountered from 9 feet to 10 feet bsg. Red-orange saprolite with light yellow to white banding persisted from 10 feet to 25 feet. From 25 to 27 feet bsg, red silty clay with some white banding was observed. Saprolite with red clay and yellow, white, black mottling was noted from 27 feet to 32 feet bsg. Orange to tan silty clay with some black mottling and saprolite was identified from 32 feet to 35 feet bsg. Moist conditions were observed at 32 feet bsg. From 35 feet to 37 feet bsg, gravel-sized foliated rock clasts and saprolite were encountered. Saturated conditions were observed at 37 feet bsg where Geoprobe refusal occurred. A strong petroleum odor persisted throughout the entire boring.

Soil boring SB-2 was converted to monitoring well MW-2 and set to a total depth of 37 feet with a screened interval from 37 feet to 22 feet bsg. The well is of standard Type II construction, which includes 2-inch diameter, 0.010-inch slotted PVC screen and 2-inch PVC riser. A #2 coarse sand filter was placed around the annulus of the well from 37 feet to 20 feet bsg. Bentonite chips (3/8 inch) were placed above the filter pack from 20 feet to 17 feet bsg and hydrated with water. A Portland Type I grout was placed above the bentonite seal to near surface grade. The monitoring well was capped with a locking expansion plug and protected with a flush-mounted, bolt-down, 8-inch diameter manhole cover. The monitoring well was finished with a sloping concrete apron around the manhole.

On September 24, 2008, monitoring well MW-2 was developed using a decontaminated submersible pump to remove sediment to the fullest extent possible. During the development process, 1.3 gallons of water were removed from the monitoring well.

The soil boring log and well construction diagram are included in **Appendix C**. **Figure 3** illustrates the location of the monitoring well in relation to other site features.

IV. Soil and Groundwater Sampling

A. Soil Sampling

Soil samples were collected with a track-mounted direct push technology (DPT) Geoprobe® 6620DPT using a device that allows for continuous soil core sampling in 5 foot sections. Soil samples were collected from borings to a depth of 35 feet bsg. The boring was terminated at 37 feet bsg. Upon retrieval of the soil, the soil samples were logged for physical characteristics, and portions were sealed in re-sealable plastic bags. The bagged portions were allowed to volatilize for a minimum of five minutes, after which the headspace within the bags was field-screened for the presence of volatile organic vapors with a calibrated Heath Instruments™ flame-ionization detector. The highest volatile organic vapor reading was recorded at greater than 5,000 parts per million (ppm) for the soil collected at 10 feet bsg. A soil sample from this interval was collected into laboratory prepared containers, placed immediately on ice, and submitted under proper chain of custody controls to the TestAmerica, Inc. laboratory in Nashville, Tennessee for analysis by Environmental Protection Agency (EPA) Method 8260B for volatile organic compounds (VOCs), modified to include diisopropyl ether (IPE) and methyl tert-butyl ether (MTBE).

B. Groundwater Sampling

On September 24, 2008, Terraine mobilized to the site to collect groundwater samples from monitoring wells MW-1 and MW-2. Depth to water was measured using a decontaminated water level indicator. Groundwater was detected at 33.11 feet below top of casing in monitoring well MW-2, and monitoring well MW-1 was dry. Based on topography, the anticipated groundwater flow direction is to the northwest. Monitoring well MW-2 was purged and sampled using a new disposable bailer. The groundwater sample was transferred into laboratory-prepared containers, immediately placed on ice, and submitted under proper chain of custody controls to the TestAmerica, Inc. laboratory in Nashville, Tennessee for analysis by:

- Standard Method 6210D for VOCs, modified to include MTBE, IPE, and 1,2-dibromoethane (EDB)
- EPA Method 3030C for lead

V. Sampling Results

A. Soil Sampling Results

Several target petroleum contaminants including benzene, toluene, ethylbenzene, and xylenes exceeded the MSCCs in soil sample SB-2 collected on September 22, 2008. A summary of the soil analytical results is presented in **Table 1, Appendix A**. **Figure 4** depicts the soil analytical results and the soil boring location. The soil boring log is included in **Appendix C**. Laboratory certificates of analyses and the chain of custody form are included in **Appendix D**.

Sick to
now

A. Groundwater Sampling Results

Concentrations of target petroleum contaminants including benzene, toluene, ethylbenzene, and xylenes exceeded the 2L groundwater standards in the groundwater sample collected from monitoring well MW-1 on September 24, 2008. The benzene concentrations in the samples collected from MW-2 on September 24, 2008 exceeded the 2L standard by more than a factor of ten. A summary of the analytical results for the groundwater samples collected is presented in **Table 2**. **Figure 5** illustrates the monitoring well locations and current analytical data. Laboratory certificates of analyses and the chain of custody form are included in **Appendix D**.

VI. Conclusions and Recommendations

A. Conclusions

Laboratory analysis detected several target petroleum contaminants in exceedance of the MSCCs in the soil sample collected from SB-2 at 10 feet bsg on September 22, 2008.

Analytical results indicated target petroleum hydrocarbon contamination exceeding the 2L standards in the groundwater sample collected from monitoring well MW-2 on September 24, 2008. The benzene concentration in the sample exceeded the 2L groundwater standard by greater than a factor of ten.

Based on the most recent analytical results, it appears that the soil and groundwater in the area immediately to the west of the dispenser island have been impacted by petroleum contaminants. This is consistent with the anticipated direction of groundwater flow to the northwest.

Duh, you think?

Based on the current use of the site and surrounding properties, the site should be classified as commercial. According to regulations established in 15A NCAC 2L .0115, the subject site does not meet any of the high or intermediate risk criteria. Therefore, the site should be assigned a "Low Risk" classification.

B. Recommendations

Based on the results of the monitoring well installation activities and because the benzene concentration in monitoring well MW-2 exceeds the 2L standard by a factor of ten, Terraine recommends the following:

- Conduct a Phase II LSA to delineate petroleum contamination at the site and determine groundwater flow direction (Figure 3).

VII. References

CBM Environmental Services, Inc. *UST Closure Report*. December 9, 1997.

Terraine, Inc. *Limited Site Assessment – Phase I*. May 24, 2007.

Appendix A

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Current and Historical Groundwater Analytical Results

Table 1
Summary of Soil Analytical Results

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County
Incident No.: 18808

Sample ID: Depth (feet): Sample Date: Sample Time:	SB-2 10 9/22/08 10:15	MSCC (Soil-to-Groundwater)	Residential Cleanup Levels
<i>EPA 8260B + MTBE, IPE:</i>			
Benzene	<i>0.637 J</i>	0.0056	18
Toluene	<i>57</i>	7.3	3,200
Xylenes (total)	<i>448</i>	5	3,129
Ethylbenzene	<i>47</i>	4.6	1,560
Methyl tert-Butyl Ether (MTBE)	<i>0.808 J</i>	0.92	213
Naphthalene	<i>56</i>	0.58	313
Diisopropyl Ether (IPE)	ND	0.37	156
n-Butylbenzene	<i>27</i>	4.3	626
sec-Butylbenzene	<i>7.18</i>	3.3	626
Isopropylbenzene	<i>12.3</i>	1.7	1,564
p-Isopropyltoluene	17.7	NE	NE
n-Propylbenzene	<i>34.8</i>	1.7	626
Styrene	<i>1.42</i>	2.2	3,128
1,2,4-Trimethylbenzene	<i>379</i>	7.5	782
1,3,5-Trimethylbenzene	<i>130</i>	7.3	782
Data expressed in milligrams per kilogram (mg/kg) Data italicized and highlighted indicates concentrations above Soil-to-Water MSCCs Data outlined in red indicates concentrations above Residential Cleanup Levels A complete list of target compound is included with the laboratory report in Appendix E EPA - Environmental Protection Agency MSCC - Maximum Soil Contaminant Concentration J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit ND - None Detected (below method reporting limits) NE - No Standard Established			

Table 2
Summary of Current and Historical Groundwater Analytical Results

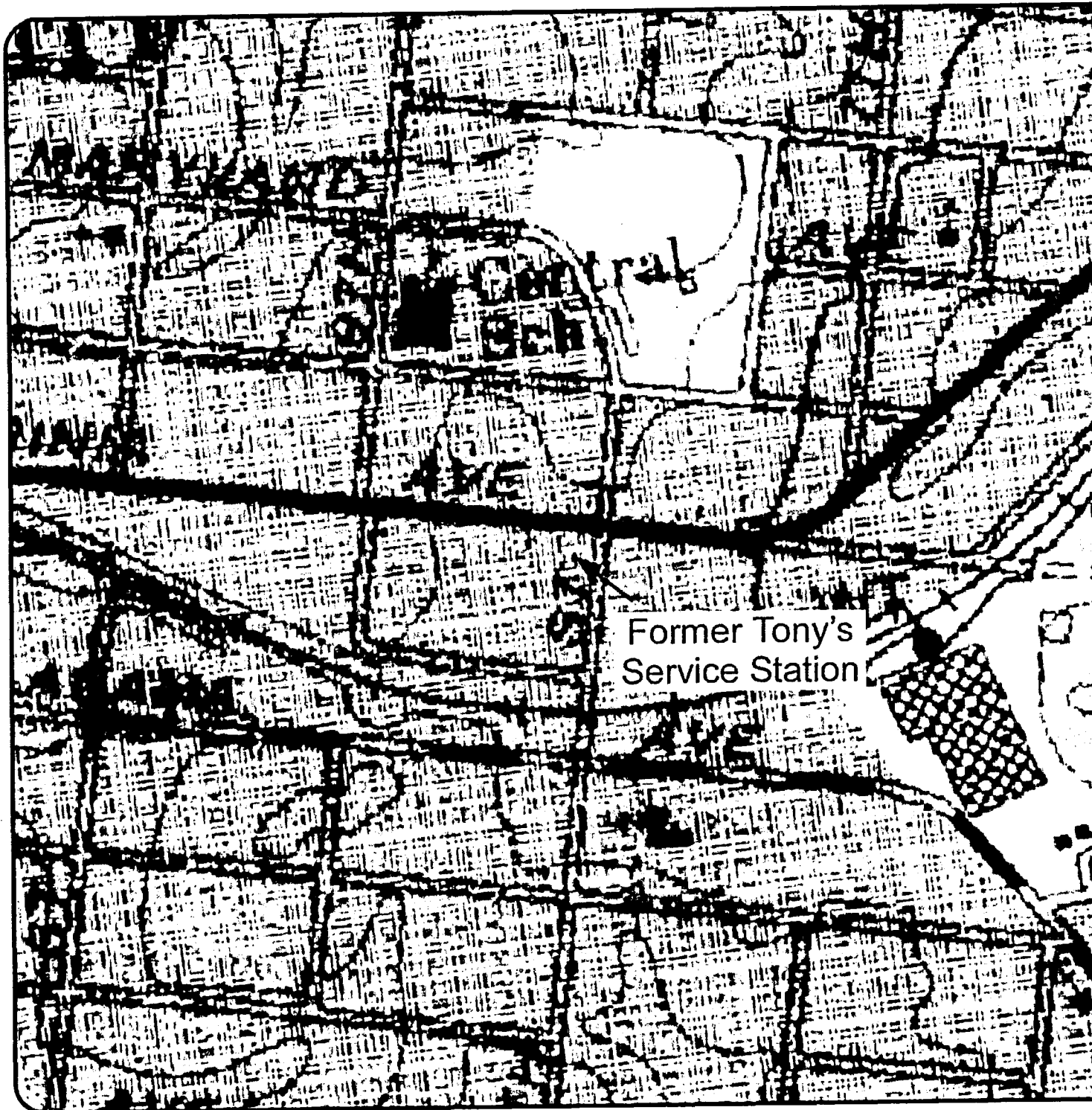
Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County
Incident No.: 18808

Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	EDB	IPE	MTBE	n-Propylbenzene	Isopropylbenzene	Naphthalene	1,2-Dichloroethane	1,2,3-Trichloropropane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	Tetrachloroethene	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
MW-1	4/26/2007	14	3.03	3.04	6.52	ND	40.9	159	ND	3.49	ND	ND	ND	1.87	1.73	0.5	NA	370	ND	70.8
	9/24/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	9/24/2008	525	7,730	1,510	9,930	ND	193	540	240	84.0	252	11.6	2.2	599	2,170	ND	31.7	NA	NA	NA
NCAC .0202 2L Standard (2L)		1	1,000	550	530	0.0004	70	200	70	70	21	0.38	NE	350	350	NE	15	420	4,200	210
Gross Contamination Level		5,000	257,500	84,500	87,500	50	70,000	200,000	30,000	25,000	15,500	380	NE	25,000	28,500	NE	15,000	NE	NE	NE
Values shown bold, italicized, and highlighted in yellow exceed the 2L Groundwater Standard.																				
Values reported in ug/l (ppb)																				
Data from 4/26/2007 analyzed by Standard Method 6210D + MTBE, IPE, EDB and MADEP VPH.																				
Data from 9/24/2008 analyzed by Standard Method 6210D + MTBE, IPE, EDB and Lead 3030C.																				
ND - None Detected (below method reporting limits)																				
NE - No Standard Established																				
NA - Not Analyzed																				
NS - Not Sampled																				
EDB - 1,2-Dibromoethane																				
IPE - Diisopropyl Ether																				
MTBE - Methyl tert-Butyl Ether																				

MW-1 was not sampled on 9/24/2008 because it did not sufficiently recharge enough for a sample to be collected.

Appendix B

Figure 1	Topographic Map
Figure 2	Aerial Site Photograph
Figure 3	Site Map
Figure 4	Soil Boring Locations & Analytical Data Map
Figure 5	Monitoring Well Locations & Analytical Data Map



NOTES

SOURCE:
NASA World Wind
USGS Topographic Map

LEGEND

0 200 800
(SCALE IN FEET)



Figure 1
Topographic Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: AMB

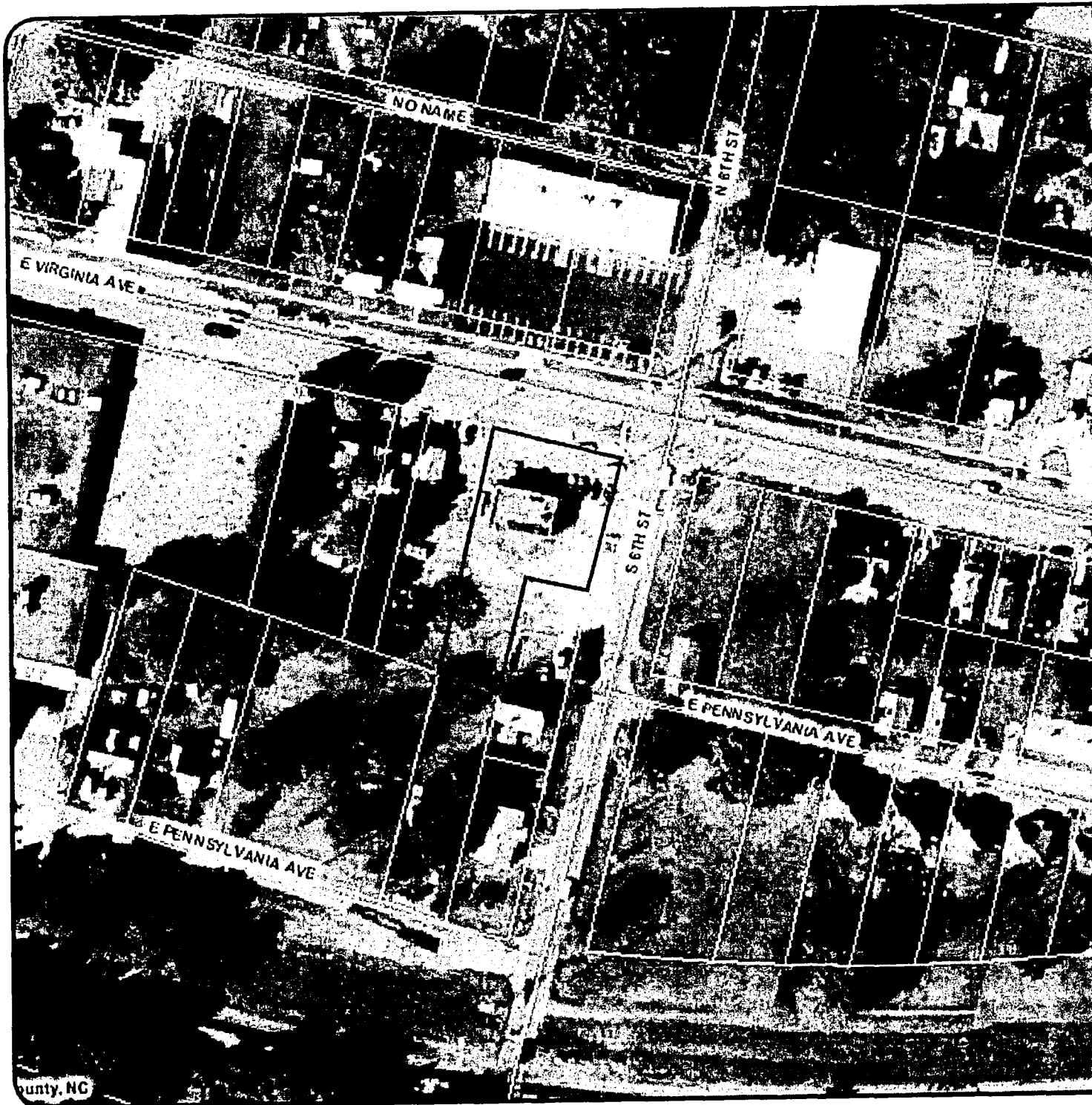
CHK BY: RBC

SCALE: AS NOTED

APR BY: KSC

DATE: 11/7/08

FILE: 05-NCNL-126



NOTES

SOURCE:
Gaston County GIS
<http://egov1.co.gaston.nc.us/website/ParcelDataSite/viewer.htm>
October 2006

LEGEND



Subject Property

Parcel Boundary

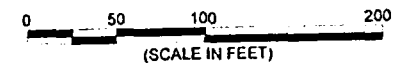


Figure 2 Aerial Site Photograph

**Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County**

Incident # 18088

Prepared For
NCDENR

DWN BY: AMB

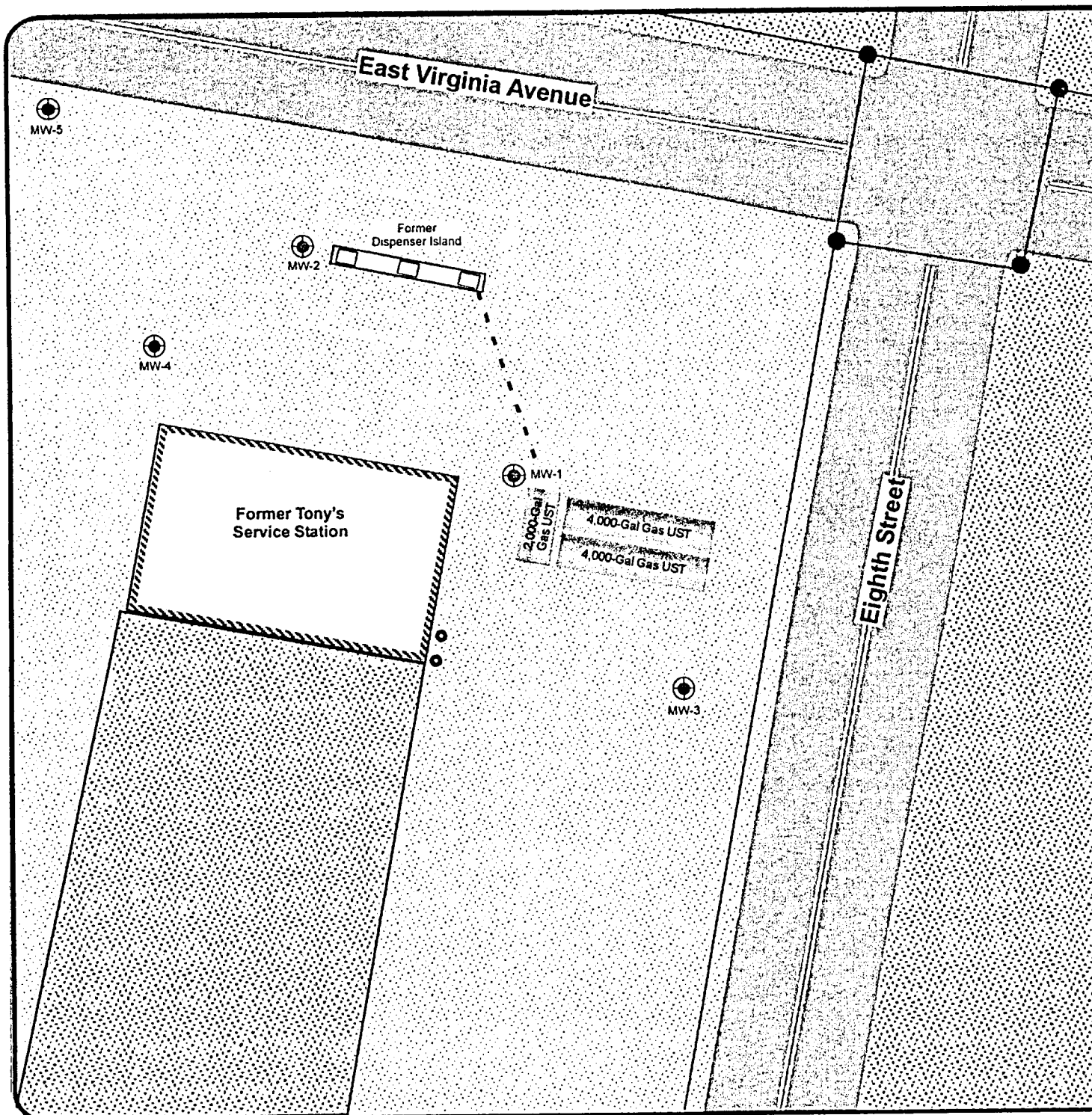
CHK BY: RBC

SCALE: AS NOTED

APR BY: KSC

DATE: 11/7/08

FILE: 05-NC SL-126



NOTES

USTs closed in-place November 4, 1997.

LEGEND

- Building
- Proposed Monitoring Well Location
- Power Line
- Former Product Line
- Vent
- Power Pole
- Soil Boring/Monitoring Well

0 25 50
(SCALE IN FEET)



Figure 3 Site Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: AMB

CHK BY: RBC

SCALE: AS NOTED

APR BY: KSC

DATE: 11/7/08

FILE: 05-NC SL-126

East Virginia Avenue

SB-2

**Former Tony's
Service Station**

Eighth Street

Sample ID: Depth (feet): Sample Date: Sample Time:	SB-2 10 9/22/08 10:15	MSCC (Soil-to- Groundwater)	Residential Cleanup Levels
---	--------------------------------	--------------------------------	-------------------------------

EPA 8260B • MTBE, IPE

Benzene	0.637 J	0.0056	18
Toluene	57	7.3	3,200
Xylenes (total)	448	5	3,129
Ethylbenzene	47	4.6	1,560
Methyl tert-Butyl Ether (MTBE)	0.808 J	0.92	213
Naphthalene	56	0.58	313
Diisopropyl Ether (IPE)	ND	0.37	156
n-Butylbenzene	27	4.3	626
sec-Butylbenzene	7.18	3.3	626
Isopropylbenzene	12.3	1.7	1,554
p-Isopropyltoluene	17.7	NE	NE
n-Propylbenzene	34.8	1.7	626
Styrene	1.42	2.2	3,128
1,2,4-Trimethylbenzene	379	7.5	782
1,3,5-Trimethylbenzene	130	7.3	782

Data expressed in milligrams per kilogram (mg/kg)

Data italicized and highlighted indicates concentrations above Soil-to-Water MSCCs

Data outlined in red indicates concentrations above Residential Cleanup Levels

A complete list of target compound is included with the laboratory report in Appendix E

EPA - Environmental Protection Agency

MSCC - Maximum Soil Contaminant Concentration

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

ND - None Detected (below method reporting limits)

NE - No Standard Established

N



NOTES

LEGEND



Building



Power Line



Former Product Line



Vent



Power Pole



Soil Boring Location

0 25 50

(SCALE IN FEET)



TERRAINE
Environmental Consulting

Figure 4 Soil Boring Location & Analytical Data Map

**Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County**

Incident # 18088

Prepared For
NCDENR

DWN BY: AMB

CHK BY: RBC

SCALE: AS NOTED

APR BY: KSC

DATE: 11/7/08

FILE: 05-NCSL-126

MW-2	
Contaminant	Concentration
Benzene	525
Toluene	7,730
Ethylbenzene	1,510
Xylenes (total)	9,930
MTBE	540
PE	193
EDB	ND
Naphthalene	252
n-Propylbenzene	240
Isopropylbenzene	84.0
1,2-Dichloroethane	11.6
1,2,4-Trimethylbenzene	2,170
1,3,5-Trimethylbenzene	599
Lead	31.7

MW-2

MW-1
(NS)

Former Tony's
Service Station

East Virginia Avenue

Eighth Street



NOTES

Groundwater data collected on 9/24/2008.
Data italicized and highlighted indicates concentrations exceeding the 15A NCAC 2L standards.
ND - not detected (below method reporting limits)
NS - not sampled. MW-1 was dry.

LEGEND

- Building
 - Power Line
 - Former Product Line
 - Vent
 - Power Pole
 - Soil Boring/Monitoring Well
- 0 25 50
(SCALE IN FEET)

TERRAINE
Environmental Consulting

Figure 5 Monitoring Well Locations & Analytical Data Map

Former Tony's Service Station
422 East Virginia Avenue
Bessemer City, NC
Gaston County

Incident # 18088

Prepared For
NCDENR

DWN BY: AMB

CHK BY: RBC

SCALE: AS NOTED

APR BY: KSC

DATE: 11/7/08
















FILE: 05-NC SL-126

Appendix C













Boring Log Key
Soil Boring Log
Well Construction Record

SYMBOLS AND ABBREVIATIONS USED IN BORING LOGS


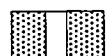
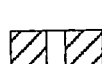



SOIL AND ROCK LITHOLOGY SYMBOLS

	CLAY		LIMESTONE		COAL
	SILT		DOLOMITE		CONCRETE
	SHALE		CHERT		ASPHALT
	SAND		METAMORPHIC BEDROCK		ORGANIC SOIL
	GRAVEL		IGNEOUS		FILL

MODIFYING COMPONENTS, CEMENTS, ETC.

	FOSSILS		CHERT		SILT
	OOLITES, PISOLITES CONCRETIONS, ETC.		SAND		FRACTURES
	BEDDING PLANES		CLAY, SHALE		VISIBLE POROSITY
	CALCITE, LIMESTONE		DOLOMITE		HYDROCARBON ODOR, STAINING, FREE PRODUCT

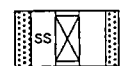
COMPLETION DIAGRAM SYMBOLS

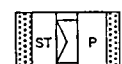
	SOLID PIPE WITH NO PACKING		SOLID PIPE PACKED IN SAND
	GROUT SEAL AROUND SOLID PIPE		SLOTTED PIPE PACKED IN SAND
	BENTONITE SEAL AROUND SOLID PIPE		END CAP ON SLOTTED PIPE PACKED IN SAND

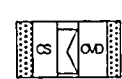
 WATER LEVEL
FIRST ENCOUNTERED

 WATER LEVEL
UPON COMPLETION

SAMPLE SYMBOLS

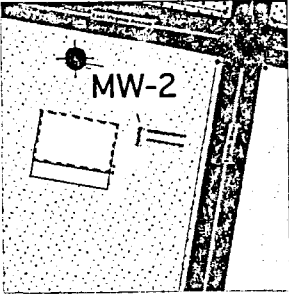

 SPLIT SPOON SAMPLE
75-100% RECOVERY

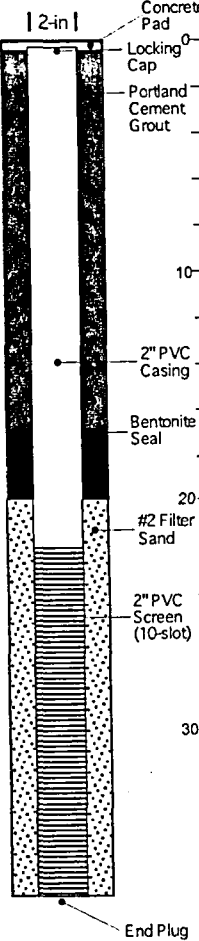
 SHELBY TUBE SAMPLE
50-75 % RECOVERY

 CONTINUOUS SAMPLE
25-50% RECOVERY
ANALYZED WITH OVD

SS - SPLIT SPOON
ST - SHELBY TUBE
CS - CONTINUOUS SAMPLE
OVD - ORGANIC VAPOR DETECTOR
k - PERMEABILITY

X - 75-100% RECOVERY
> - 50-75% RECOVERY
< - 25-50% RECOVERY
I - 0-25% RECOVERY

FACILITY NAME: Former Tony's Service Station, 422 East Virginia Avenue, Bessemer City, NC					Incident #: 18088		BORING# SB-2 WELL# MW-2		PG 1 OF 1	
LOCATION MAP: 					START DATE & TIME: 9/22/08 @ 08:30		<div style="text-align: center;">  <p>TERRAINE Environmental Consulting</p> <p>Standard Boring Log</p> </div>			
					COMP. DATE & TIME: 9/22/08 @ 12:00					
					LOGGED BY: Burke Cathey - Terraine, Inc.					
					DRILLER: James Hess - Geologic Exploration					
					DRILLING METHOD: 6620DT w/ 4.25" ID HSA					
ELEV (MSL):		T.D. (MSL): 37 ft								
COMMENTS: Borehole converted to monitoring well after collection of soil sample. The soil sample with the highest PID reading (10 ft bsg) was submitted for laboratory analysis.										

MSL	COMPLETION DIAGRAM BOREHOLE DIAMETER: 4.25" OD	WATER LEVEL	PENETRATION RATE	DEPTH / TIME	GRAPHIC LITHOLOGY	FID OVD	SAMPLES & CORES			DESCRIPTION (Color, Texture, Structure, etc.)
							TYPE	REC	OVA	
										
0				0						0 ASPHALT.
										SILT. DARK BROWN SANDY. SLIGHT PETROLEUM ODOR.
										CLAY. RED. TIGHT. STRONG PETROLEUM ODOR.
						4,000 ppm				CLAY. LIGHT RED. SAPROLITE. RELICT BANDING. YELLOW-BROWN MOTTLING
						> 5,000 ppm				CLAY. RED. STRONG PETROLEUM ODOR.
10				10						CLAY. RED. STRONG PETROLEUM ODOR.
						500 ppm				CLAY. RED-ORANGE. SAPROLITE WITH YELLOW TO WHITE BANDING. SLIGHT PETROLEUM ODOR.
						1,800 ppm				CLAY. RED-ORANGE. SAPROLITE WITH DARK BANDING. SLIGHT PETROLEUM ODOR.
20				20						SILTY CLAY. RED, SOME WHITE BANDING.
						> 5,000 ppm				CLAY. RED. SAPROLITE WITH YELLOW, WHITE, BLACK BANDING.
						3,500 ppm				SILTY CLAY. ORANGE TO TAN. SAPROLITE WITH SOME BLACK MOTTLING. LARGE FOLIATED GRAVEL SIZED ROCK CLASTS. MOIST AT 32 FEET BSG.
30				30						SATURATED CONDITIONS.
						60 ppm				GEOPROBE REFUSAL AT 37 FEET BSG.
40				40						
50				50						
60				60						



NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3550

1. WELL CONTRACTOR:

JAMES HESS

Well Contractor (Individual) Name

GEOLOGIC EXPLORATION, INC.

Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE NC 28625
City or Town State Zip Code

(704) 872-7686

Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-2

STATE WELL PERMIT #(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 09/22/08

TIME COMPLETED AM ☐ PM ☐

3. WELL LOCATION:

CITY: BESSEMER CITY COUNTY GASTON

422 EAST VIRGINIA AVE 28016

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(check appropriate box)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds or
in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map and
attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY FMR TONY'S SERVICE STATION

STREET ADDRESS 422 EAST VIRGINIA AVE

BESSEMER CITY NC 28016
City or Town State Zip Code

CONTACT PERSON NCDEHNR

MAILING ADDRESS 1637 MAIL SERVICE CENTER

RALEIGH NC 27699
City or Town State Zip Code

Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 37.0

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: 34.0 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0.0 FT. Above Land Surface*

*Top of casing terminated at/or below land surface may require
a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): N/A METHOD OF TEST N/A

f. DISINFECTION: Type N/A Amount N/A

g. WATER ZONES (depth):

From To From To

From To From To

From To From To

6. CASING:

Depth	Diameter	Thickness/ Weight	Material
From 0.0 To 22.0 Ft.	2 INCH	SCH 40	PVC
From To Ft.			
From To Ft.			

7. GROUT: Depth Material Method

Depth	Material	Method
From 0.0 To 18.0 Ft.	Portland bentonite	SLURRY
From To Ft.		
From To Ft.		

8. SCREEN: Depth Diameter Slot Size Material

Depth	Diameter	Slot Size	Material
From 22.0 To 37.0 Ft.	2.0 in.	.010 in.	PVC
From To Ft.			
From To Ft.			

9. SAND/GRAVEL PACK:

Depth	Size	Material
From 20.0 To 37.0 Ft.	20-40	Fine Silica Sand
From To Ft.		
From To Ft.		

10. DRILLING LOG

From	To	Formation Description
0.0'	6"	ASPHALT
6"	1.0	DARK BROWN SANDY SILT
1.0	10.0	RED CLAY
10.0	25.0	ORANGE/RED SAPROLITE W/ YELLOW & WHITE BANDING
25.0	27.0	RED SILTY CLAY
27.0	37.0	ORANGE/TAN SILTY CLAY W/ BLACK MOTTLING

11. REMARKS:

Bentonite seal from 18.0 to 20.0 Feet.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH
15A NCAC 2C WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS
RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 09/23/08
JAMES HESS DATE

PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt.,
1617 Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

Appendix D

Soil Sample Chain of Custody Forms
Soil Sample Certificates of Analyses
Groundwater Sample Chain of Custody Forms
Groundwater Sample Certificates of Analyses

**Sample Condition Upon Receipt**Client Name: Terrene Project # 9228478Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ noPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used T060

Type of Ice: ☒ Wet ☐ Blue ☐ None ☒ Samples on ice, cooling process has begunCooler Temperature: 5.8

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Optional
Proj. Due Date: N/A
Proj. Name: N/ADate and Initials of person examining contents: mm 9/10/08

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: PLSDate: 9/23/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 30, 2008

Burke Cathey
Terraine, Inc
600 Town Centre Blvd, Ste 103
Pineville, NC 28134

RE: Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

Dear Burke Cathey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Renee Spencer

renee.spencer@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 14

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CERTIFICATIONS

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

Charlotte Certification IDs

Connecticut Certification Number: PH-0104
Pennsylvania Certification Number: 68-00784
West Virginia Certification Number: 357
Virginia Certification Number: 00213
Tennessee Certification Number: 04010
South Carolina Drinking Water Cert. Number: 990060003
South Carolina Certification Number: 990060001

North Carolina Field Services Certification Number: 5342
North Carolina Wastewater Certification Number: 12
North Carolina Drinking Water Certification Number: 37706
Louisiana/LELAP Certification Number: 04034
Kentucky UST Certification Number: 84
New Jersey Certification Number: NC012
Florida/NELAP Certification Number: E87627

Asheville Certification IDs

Connecticut Certification Number: PH-0106
Massachusetts Certification Number: M-NC030
West Virginia Certification Number: 356
Virginia Certification Number: 00072
Tennessee Certification Number: 2980
South Carolina Bioassay Certification Number: 99030002
South Carolina Certification Number: 99030001

Pennsylvania Certification Number: 68-03578
North Carolina Bioassay Certification Number: 9
North Carolina Wastewater Certification Number: 40
North Carolina Drinking Water Certification Number: 37712
New Jersey Certification Number: NC011
Louisiana/LELAP Certification Number: 03095
Florida/NELAP Certification Number: E87648

Eden Certification IDs

Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

North Carolina Drinking Water Certification Number: 37738

REPORT OF LABORATORY ANALYSIS

Page 2 of 14

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SAMPLE SUMMARY

Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9228478001	SB-2	Solid	09/22/08 10:15	09/23/08 16:15

REPORT OF LABORATORY ANALYSIS

Page 3 of 14

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9228478001	SB-2	ASTM D2974-87	TNM	1	PASI-C
		EPA 8260	DLK	71	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 4 of 14

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ANALYTICAL RESULTS

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

Sample: SB-2 Lab ID: 9228478001 Collected: 09/22/08 10:15 Received: 09/23/08 16:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	23300	2330	250		09/27/08 10:11	67-64-1	
Benzene	637J	ug/kg	1170	373	250		09/27/08 10:11	71-43-2	
Bromobenzene	ND	ug/kg	1170	466	250		09/27/08 10:11	108-86-1	
Bromochloromethane	ND	ug/kg	1170	396	250		09/27/08 10:11	74-97-5	
Bromodichloromethane	ND	ug/kg	1170	443	250		09/27/08 10:11	75-27-4	
Bromoform	ND	ug/kg	1170	536	250		09/27/08 10:11	75-25-2	
Bromomethane	ND	ug/kg	2330	583	250		09/27/08 10:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23300	676	250		09/27/08 10:11	78-93-3	
n-Butylbenzene	27100	ug/kg	1170	420	250		09/27/08 10:11	104-51-8	
sec-Butylbenzene	7180	ug/kg	1170	373	250		09/27/08 10:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	1170	466	250		09/27/08 10:11	98-06-6	
Carbon tetrachloride	ND	ug/kg	1170	606	250		09/27/08 10:11	56-23-5	
Chlorobenzene	ND	ug/kg	1170	443	250		09/27/08 10:11	108-90-7	
Chloroethane	ND	ug/kg	2330	560	250		09/27/08 10:11	75-00-3	
Chloroform	ND	ug/kg	1170	373	250		09/27/08 10:11	67-66-3	
Chloromethane	ND	ug/kg	2330	560	250		09/27/08 10:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	1170	396	250		09/27/08 10:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	1170	420	250		09/27/08 10:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1170	840	250		09/27/08 10:11	96-12-8	
Dibromochloromethane	ND	ug/kg	1170	420	250		09/27/08 10:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	1170	420	250		09/27/08 10:11	106-93-4	
Dibromomethane	ND	ug/kg	1170	583	250		09/27/08 10:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	1170	443	250		09/27/08 10:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1170	466	250		09/27/08 10:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1170	396	250		09/27/08 10:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	2330	840	250		09/27/08 10:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	1170	350	250		09/27/08 10:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	1170	513	250		09/27/08 10:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	1170	420	250		09/27/08 10:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	1170	327	250		09/27/08 10:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	1170	443	250		09/27/08 10:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	1170	396	250		09/27/08 10:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	1170	443	250		09/27/08 10:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	1170	396	250		09/27/08 10:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	1170	350	250		09/27/08 10:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	1170	420	250		09/27/08 10:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	1170	350	250		09/27/08 10:11	10061-02-6	
Diisopropyl ether	ND	ug/kg	1170	396	250		09/27/08 10:11	108-20-3	
Ethylbenzene	47000	ug/kg	23300	8400	5000		09/29/08 15:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	1170	466	250		09/27/08 10:11	87-68-3	
2-Hexanone	ND	ug/kg	11700	910	250		09/27/08 10:11	591-78-6	
Isopropylbenzene (Cumene)	12300	ug/kg	1170	443	250		09/27/08 10:11	98-82-8	
p-Isopropyltoluene	17700	ug/kg	1170	396	250		09/27/08 10:11	99-87-6	
Methylene Chloride	ND	ug/kg	4660	700	250		09/27/08 10:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11700	863	250		09/27/08 10:11	108-10-1	

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ANALYTICAL RESULTS

Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

Sample: SB-2 Lab ID: 9228478001 Collected: 09/22/08 10:15 Received: 09/23/08 16:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	808J	ug/kg	1170	350	250		09/27/08 10:11	1634-04-4	
Naphthalene	55600	ug/kg	23300	5600	5000		09/29/08 15:12	91-20-3	
n-Propylbenzene	34800	ug/kg	1170	396	250		09/27/08 10:11	103-65-1	
Styrene	1420	ug/kg	1170	420	250		09/27/08 10:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	1170	490	250		09/27/08 10:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	1170	443	250		09/27/08 10:11	79-34-5	
Tetrachloroethene	ND	ug/kg	1170	396	250		09/27/08 10:11	127-18-4	
Toluene	57000	ug/kg	23300	8400	5000		09/29/08 15:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	1170	513	250		09/27/08 10:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	1170	373	250		09/27/08 10:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	1170	420	250		09/27/08 10:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	1170	490	250		09/27/08 10:11	79-00-5	
Trichloroethene	ND	ug/kg	1170	490	250		09/27/08 10:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	1170	513	250		09/27/08 10:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	1170	373	250		09/27/08 10:11	96-18-4	
1,2,4-Trimethylbenzene	379000	ug/kg	23300	9330	5000		09/29/08 15:12	95-63-6	
1,3,5-Trimethylbenzene	130000	ug/kg	23300	8400	5000		09/29/08 15:12	108-67-8	
Vinyl acetate	ND	ug/kg	11700	2050	250		09/27/08 10:11	108-05-4	
Vinyl chloride	ND	ug/kg	2330	420	250		09/27/08 10:11	75-01-4	
Xylene (Total)	448000	ug/kg	46600	16800	5000		09/29/08 15:12	1330-20-7	
m&p-Xylene	314000	ug/kg	46600	16800	5000		09/29/08 15:12	1330-20-7	
o-Xylene	134000	ug/kg	23300	8860	5000		09/29/08 15:12	95-47-6	
Dibromofluoromethane (S)	92	%	79-116		250		09/27/08 10:11	1868-53-7	
Toluene-d8 (S)	102	%	88-110		250		09/27/08 10:11	2037-26-5	
4-Bromofluorobenzene (S)	111	%	74-115		250		09/27/08 10:11	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	69-121		250		09/27/08 10:11	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	18.8	%	0.10	0.10	1		09/25/08 18:20		

QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

QC Batch:	PMST/1944	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	9228478001		

SAMPLE DUPLICATE: 172659

Parameter	Units	9228554001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.5	27.2	1	25	

SAMPLE DUPLICATE: 172660

Parameter	Units	9228502003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.1	17.2	6	25	

QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

QC Batch: MSV/4742

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 9228478001

METHOD BLANK: 173960

Matrix: Solid

Associated Lab Samples: 9228478001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,1-Dichloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,1-Dichloroethene	ug/kg	ND	5.0	09/27/08 03:30	
1,1-Dichloropropene	ug/kg	ND	5.0	09/27/08 03:30	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/27/08 03:30	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	09/27/08 03:30	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/27/08 03:30	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,2-Dichloroethane	ug/kg	ND	5.0	09/27/08 03:30	
1,2-Dichloropropane	ug/kg	ND	5.0	09/27/08 03:30	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
1,3-Dichloropropane	ug/kg	ND	5.0	09/27/08 03:30	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
2,2-Dichloropropane	ug/kg	ND	5.0	09/27/08 03:30	
2-Butanone (MEK)	ug/kg	ND	100	09/27/08 03:30	
2-Chlorotoluene	ug/kg	ND	5.0	09/27/08 03:30	
2-Hexanone	ug/kg	ND	50.0	09/27/08 03:30	
4-Chlorotoluene	ug/kg	ND	5.0	09/27/08 03:30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	09/27/08 03:30	
Acetone	ug/kg	ND	100	09/27/08 03:30	
Benzene	ug/kg	ND	5.0	09/27/08 03:30	
Bromobenzene	ug/kg	ND	5.0	09/27/08 03:30	
Bromochloromethane	ug/kg	ND	5.0	09/27/08 03:30	
Bromodichloromethane	ug/kg	ND	5.0	09/27/08 03:30	
Bromoform	ug/kg	ND	5.0	09/27/08 03:30	
Bromomethane	ug/kg	ND	10.0	09/27/08 03:30	
Carbon tetrachloride	ug/kg	ND	5.0	09/27/08 03:30	
Chlorobenzene	ug/kg	ND	5.0	09/27/08 03:30	
Chloroethane	ug/kg	ND	10.0	09/27/08 03:30	
Chloroform	ug/kg	ND	5.0	09/27/08 03:30	
Chloromethane	ug/kg	ND	10.0	09/27/08 03:30	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/27/08 03:30	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/27/08 03:30	
Dibromochloromethane	ug/kg	ND	5.0	09/27/08 03:30	
Dibromomethane	ug/kg	ND	5.0	09/27/08 03:30	
Dichlorodifluoromethane	ug/kg	ND	10.0	09/27/08 03:30	

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QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

METHOD BLANK: 173960

Matrix: Solid

Associated Lab Samples: 9228478001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	09/27/08 03:30	
Ethylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/27/08 03:30	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/27/08 03:30	
m&p-Xylene	ug/kg	ND	10.0	09/27/08 03:30	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/27/08 03:30	
Methylene Chloride	ug/kg	ND	20.0	09/27/08 03:30	
n-Butylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
n-Propylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
Naphthalene	ug/kg	ND	5.0	09/27/08 03:30	
o-Xylene	ug/kg	ND	5.0	09/27/08 03:30	
p-Isopropyltoluene	ug/kg	ND	5.0	09/27/08 03:30	
sec-Butylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
Styrene	ug/kg	ND	5.0	09/27/08 03:30	
tert-Butylbenzene	ug/kg	ND	5.0	09/27/08 03:30	
Tetrachloroethene	ug/kg	ND	5.0	09/27/08 03:30	
Toluene	ug/kg	ND	5.0	09/27/08 03:30	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/27/08 03:30	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/27/08 03:30	
Trichloroethene	ug/kg	ND	5.0	09/27/08 03:30	
Trichlorofluoromethane	ug/kg	ND	5.0	09/27/08 03:30	
Vinyl acetate	ug/kg	ND	50.0	09/27/08 03:30	
Vinyl chloride	ug/kg	ND	10.0	09/27/08 03:30	
Xylene (Total)	ug/kg	ND	10.0	09/27/08 03:30	
1,2-Dichloroethane-d4 (S)	%	102	69-121	09/27/08 03:30	
4-Bromofluorobenzene (S)	%	97	74-115	09/27/08 03:30	
Dibromofluoromethane (S)	%	103	79-116	09/27/08 03:30	
Toluene-d8 (S)	%	103	88-110	09/27/08 03:30	

LABORATORY CONTROL SAMPLE: 173961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	51.5	103	75-137	
1,1,1-Trichloroethane	ug/kg	50	50.9	102	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	48.0	96	74-133	
1,1,2-Trichloroethane	ug/kg	50	49.6	99	79-129	
1,1-Dichloroethane	ug/kg	50	56.8	114	72-139	
1,1-Dichloroethene	ug/kg	50	62.0	124	69-154	
1,1-Dichloropropene	ug/kg	50	52.4	105	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	58.7	117	71-150	
1,2,3-Trichloropropane	ug/kg	50	48.3	97	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	57.0	114	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	58.1	116	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	54.7	109	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	52.1	104	77-136	

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QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

LABORATORY CONTROL SAMPLE: 173961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	56.4	113	75-141	
1,2-Dichloroethane	ug/kg	50	50.2	100	74-134	
1,2-Dichloropropane	ug/kg	50	54.0	108	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	57.0	114	65-128	
1,3-Dichlorobenzene	ug/kg	50	55.5	111	76-133	
1,3-Dichloropropane	ug/kg	50	52.3	105	79-132	
1,4-Dichlorobenzene	ug/kg	50	56.3	113	75-137	
2,2-Dichloropropane	ug/kg	50	46.5	93	73-137	
2-Butanone (MEK)	ug/kg	100	105	105	61-138	
2-Chlorotoluene	ug/kg	50	53.9	108	73-138	
2-Hexanone	ug/kg	100	112	112	58-159	
4-Chlorotoluene	ug/kg	50	58.7	117	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	109	109	74-139	
Acetone	ug/kg	100	103	103	58-150	
Benzene	ug/kg	50	51.2	102	71-140	
Bromobenzene	ug/kg	50	54.2	108	72-144	
Bromochloromethane	ug/kg	50	51.8	104	78-133	
Bromodichloromethane	ug/kg	50	52.3	105	78-133	
Bromoform	ug/kg	50	53.9	108	74-132	
Bromomethane	ug/kg	50	51.9	104	63-184	
Carbon tetrachloride	ug/kg	50	51.5	103	73-143	
Chlorobenzene	ug/kg	50	52.4	105	77-137	
Chloroethane	ug/kg	50	58.6	117	68-146	
Chloroform	ug/kg	50	52.7	105	75-137	
Chloromethane	ug/kg	50	53.3	107	54-143	
cis-1,2-Dichloroethene	ug/kg	50	57.7	115	71-143	
cis-1,3-Dichloropropene	ug/kg	50	52.0	104	76-133	
Dibromochloromethane	ug/kg	50	52.3	105	77-131	
Dibromomethane	ug/kg	50	51.7	103	63-184	
Dichlorodifluoromethane	ug/kg	50	54.6	109	36-173	
Diisopropyl ether	ug/kg	50	57.8	116	68-144	
Ethylbenzene	ug/kg	50	52.3	105	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	54.0	108	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	51.1	102	77-143	
m&p-Xylene	ug/kg	100	104	104	72-138	
Methyl-tert-butyl ether	ug/kg	50	53.6	107	2-138	
Methylene Chloride	ug/kg	50	49.0	98	69-136	
n-Butylbenzene	ug/kg	50	56.0	112	65-128	
n-Propylbenzene	ug/kg	50	55.9	112	72-139	
Naphthalene	ug/kg	50	59.2	118	61-138	
o-Xylene	ug/kg	50	51.2	102	74-137	
p-Isopropyltoluene	ug/kg	50	56.0	112	66-128	
sec-Butylbenzene	ug/kg	50	56.4	113	72-140	
Styrene	ug/kg	50	54.8	110	76-137	
tert-Butylbenzene	ug/kg	50	56.4	113	68-141	
Tetrachloroethene	ug/kg	50	54.5	109	72-136	
Toluene	ug/kg	50	49.4	99	69-139	
trans-1,2-Dichloroethene	ug/kg	50	57.9	116	72-144	

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QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

LABORATORY CONTROL SAMPLE: 173961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	50.4	101	73-135	
Trichloroethene	ug/kg	50	53.3	107	75-136	
Trichlorofluoromethane	ug/kg	50	52.1	104	69-144	
Vinyl acetate	ug/kg	100	101	101	50-150	
Vinyl chloride	ug/kg	50	53.4	107	61-145	
Xylene (Total)	ug/kg	150	156	104	73-138	
1,2-Dichloroethane-d4 (S)	%			98	69-121	
4-Bromofluorobenzene (S)	%			97	74-115	
Dibromofluoromethane (S)	%			99	79-116	
Toluene-d8 (S)	%			100	88-110	

MATRIX SPIKE SAMPLE: 174411

Parameter	Units	9228340001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	46.4	40.2	86	33-158	
Benzene	ug/kg	ND	46.4	40.9	88	46-143	
Chlorobenzene	ug/kg	ND	46.4	33.6	72	29-159	
Toluene	ug/kg	ND	46.4	37.1	80	38-145	
Trichloroethene	ug/kg	ND	46.4	39.4	85	70-130	
1,2-Dichloroethane-d4 (S)	%				100	69-121	
4-Bromofluorobenzene (S)	%				93	74-115	
Dibromofluoromethane (S)	%				99	79-116	
Toluene-d8 (S)	%				99	88-110	

SAMPLE DUPLICATE: 174412

Parameter	Units	9228490001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	

Date: 09/30/2008 03:28 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

SAMPLE DUPLICATE: 174412

Parameter	Units	9228490001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	22.0J		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	

Date: 09/30/2008 03:28 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TONY'S SERVICE CTR 05-NCSL-126

Pace Project No.: 9228478

SAMPLE DUPLICATE: 174412

Parameter	Units	9228490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	100	100	1		
4-Bromofluorobenzene (S)	%	100	94	7		
Dibromofluoromethane (S)	%	101	97	4		
Toluene-d8 (S)	%	101	100	2		

QUALIFIERS

Project: TONY'S SERVICE CTR 05-NCSL-126
Pace Project No.: 9228478

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte



Sample Condition Upon Receipt

Client Name: TerrainProject # 9228578Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace OtherCustody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used T060

Type of Ice: Wet Blue None☒ Samples on ice, cooling process has begunCooler Temperature: 5.4

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MR 9/24/08

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		<u>analyte no checked -</u>
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: PLSDate: 9/24/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 08, 2008

Burke Cathey
Terraine, Inc
600 Town Centre Blvd, Ste 103
Pineville, NC 28134

RE: Project: TONY'S SERVICE 05-NCSL-126
Pace Project No.: 9228578

Dear Burke Cathey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Renee Spencer

renee.spencer@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TONY'S SERVICE 05-NCSL-126

Pace Project No.: 9228578

Charlotte Certification IDs

Connecticut Certification Number: PH-0104
Pennsylvania Certification Number: 68-00784
West Virginia Certification Number: 357
Virginia Certification Number: 00213
Tennessee Certification Number: 04010
South Carolina Drinking Water Cert. Number: 990060003
South Carolina Certification Number: 990060001

North Carolina Field Services Certification Number: 5342
North Carolina Wastewater Certification Number: 12
North Carolina Drinking Water Certification Number: 37706
Louisiana/LELAP Certification Number: 04034
Kentucky UST Certification Number: 84
New Jersey Certification Number: NC012
Florida/NELAP Certification Number: E87627

Asheville Certification IDs

Connecticut Certification Number: PH-0106
Massachusetts Certification Number: M-NC030
West Virginia Certification Number: 356
Virginia Certification Number: 00072
Tennessee Certification Number: 2980
South Carolina Bioassay Certification Number: 99030002
South Carolina Certification Number: 99030001

Pennsylvania Certification Number: 68-03578
North Carolina Bioassay Certification Number: 9
North Carolina Wastewater Certification Number: 40
North Carolina Drinking Water Certification Number: 37712
New Jersey Certification Number: NC011
Louisiana/LELAP Certification Number: 03095
Florida/NELAP Certification Number: E87648

Eden Certification IDs

Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

North Carolina Drinking Water Certification Number: 37738

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TONY'S SERVICE 05-NCSL-126

Pace Project No.: 9228578

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9228578001	MW-2	Water	09/24/08 11:30	09/24/08 16:00

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: TONY'S SERVICE 05-NCSL-126
Pace Project No.: 9228578

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9228578001	MW-2	EPA 200.7	JDA	1	PASI-A
		SM 6210	DJM	65	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TONY'S SERVICE 05-NCSL-126

Pace Project No.: 9228578

Sample: MW-2 Lab ID: 9228578001 Collected: 09/24/08 11:30 Received: 09/24/08 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, 3030C Analytical Method: EPA 200.7 Preparation Method: SM 3030C									
Lead	31.7 ug/L		5.0	4.0	1	09/26/08 10:10	09/28/08 23:52	7439-92-1	
6210 MSV Analytical Method: SM 6210									
Benzene	525 ug/L		50.0	50.0	100		10/06/08 16:06	71-43-2	
Bromobenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	108-86-1	
Bromochloromethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	74-97-5	
Bromodichloromethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	75-27-4	
Bromoform	ND ug/L		0.50	0.50	1		10/05/08 21:39	75-25-2	
Bromomethane	ND ug/L		1.0	1.0	1		10/05/08 21:39	74-83-9	
n-Butylbenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	0.50	1		10/05/08 21:39	56-23-5	
Chlorobenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	108-90-7	
Chloroethane	ND ug/L		1.0	1.0	1		10/05/08 21:39	75-00-3	
Chloroform	ND ug/L		0.50	0.50	1		10/05/08 21:39	67-66-3	
Chloromethane	ND ug/L		1.0	1.0	1		10/05/08 21:39	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	0.50	1		10/05/08 21:39	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	0.50	1		10/05/08 21:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1.0	1		10/05/08 21:39	96-12-8	
Dibromochloromethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	0.50	1		10/05/08 21:39	106-93-4	
Dibromomethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	541-73-1	
1,4-Dichlorobenzene	ND ug/L		0.50	0.50	1		10/05/08 21:39	106-46-7	
Dichlorodifluoromethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	75-71-8	
1,1-Dichloroethane	ND ug/L		0.50	0.50	1		10/05/08 21:39	75-34-3	
1,2-Dichloroethane	11.6 ug/L		0.50	0.50	1		10/05/08 21:39	107-06-2	
1,1-Dichloroethene	ND ug/L		0.50	0.50	1		10/05/08 21:39	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		0.50	0.50	1		10/05/08 21:39	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		0.50	0.50	1		10/05/08 21:39	156-60-5	
1,2-Dichloropropane	ND ug/L		0.50	0.50	1		10/05/08 21:39	78-87-5	
1,3-Dichloropropane	ND ug/L		0.50	0.50	1		10/05/08 21:39	142-28-9	
2,2-Dichloropropane	ND ug/L		0.50	0.50	1		10/05/08 21:39	594-20-7	
1,1-Dichloropropene	ND ug/L		0.50	0.50	1		10/05/08 21:39	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		0.50	0.50	1		10/05/08 21:39	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		0.50	0.50	1		10/05/08 21:39	10061-02-6	
Diisopropyl ether	193 ug/L		50.0	50.0	100		10/06/08 16:06	108-20-3	
Ethylbenzene	1510 ug/L		50.0	50.0	100		10/06/08 16:06	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		2.0	2.0	1		10/05/08 21:39	87-68-3	
Isopropylbenzene (Cumene)	84.0 ug/L		0.50	0.50	1		10/05/08 21:39	98-82-8	
p-Isopropyltoluene	ND ug/L		0.50	0.50	1		10/05/08 21:39	99-87-6	
Methylene Chloride	ND ug/L		2.0	2.0	1		10/05/08 21:39	75-09-2	
Methyl-tert-butyl ether	540 ug/L		50.0	50.0	100		10/06/08 16:06	1634-04-4	
Naphthalene	252 ug/L		200	200	100		10/06/08 16:06	91-20-3	

Date: 10/08/2008 12:09 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TONY'S SERVICE 05-NCSL-126

Pace Project No.: 9228578

Sample: MW-2 Lab ID: 9228578001 Collected: 09/24/08 11:30 Received: 09/24/08 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6210 MSV Analytical Method: SM 6210									
n-Propylbenzene	240	ug/L	50.0	50.0	100		10/06/08 16:06	103-65-1	
Styrene	ND	ug/L	0.50	0.50	1		10/05/08 21:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1		10/05/08 21:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1		10/05/08 21:39	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.50	1		10/05/08 21:39	127-18-4	
Toluene	7730	ug/L	50.0	50.0	100		10/06/08 16:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2.0	1		10/05/08 21:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2.0	1		10/05/08 21:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.50	1		10/05/08 21:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.50	1		10/05/08 21:39	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.50	1		10/05/08 21:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1.0	1		10/05/08 21:39	75-69-4	
1,2,3-Trichloropropane	2.2	ug/L	0.50	0.50	1		10/05/08 21:39	96-18-4	
1,2,4-Trimethylbenzene	2170	ug/L	50.0	50.0	100		10/06/08 16:06	95-63-6	
1,3,5-Trimethylbenzene	599	ug/L	50.0	50.0	100		10/06/08 16:06	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1.0	1		10/05/08 21:39	75-01-4	
m&p-Xylene	6630	ug/L	100	100	100		10/06/08 16:06	1330-20-7	
o-Xylene	3300	ug/L	50.0	50.0	100		10/06/08 16:06	95-47-6	
1,2-Dichloroethane-d4 (S)	103	%	60-140		1		10/05/08 21:39	17060-07-0	
Dibromofluoromethane (S)	93	%	60-140		1		10/05/08 21:39	1868-53-7	
4-Bromofluorobenzene (S)	99	%	60-140		1		10/05/08 21:39	460-00-4	
Toluene-d8 (S)	95	%	60-140		1		10/05/08 21:39	2037-26-5	

QUALITY CONTROL DATA

Project: TONY'S SERVICE 05-NC SL-126
Pace Project No.: 9228578

QC Batch: MPRP/3070 Analysis Method: EPA 200.7
QC Batch Method: SM 3030C Analysis Description: 200.7 MET 3030C
Associated Lab Samples: 9228578001

METHOD BLANK: 173522 Matrix: Water
Associated Lab Samples: 9228578001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	4.5J	5.0	09/28/08 23:08	

LABORATORY CONTROL SAMPLE: 173523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	553	111	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173524 173525

Parameter	Units	9228571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Lead	ug/L	ND	500	500	517	507	103	101	70-130	2 20	

SAMPLE DUPLICATE: 173526

Parameter	Units	9228569001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND		20	



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TONY'S SERVICE 05-NC SL-126

Pace Project No.: 9228578

QC Batch: MSV/4833

Analysis Method: SM 6210

QC Batch Method: SM 6210

Analysis Description: 6210 MSV

Associated Lab Samples: 9228578001

METHOD BLANK: 178228

Matrix: Water

Associated Lab Samples: 9228578001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,1-Dichloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,1-Dichloroethene	ug/L	ND	0.50	10/05/08 16:07	
1,1-Dichloropropene	ug/L	ND	0.50	10/05/08 16:07	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	10/05/08 16:07	
1,2,3-Trichloropropane	ug/L	ND	0.50	10/05/08 16:07	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	10/05/08 16:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	10/05/08 16:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	10/05/08 16:07	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	10/05/08 16:07	
1,2-Dichlorobenzene	ug/L	ND	0.50	10/05/08 16:07	
1,2-Dichloroethane	ug/L	ND	0.50	10/05/08 16:07	
1,2-Dichloropropane	ug/L	ND	0.50	10/05/08 16:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	10/05/08 16:07	
1,3-Dichlorobenzene	ug/L	ND	0.50	10/05/08 16:07	
1,3-Dichloropropane	ug/L	ND	0.50	10/05/08 16:07	
1,4-Dichlorobenzene	ug/L	ND	0.50	10/05/08 16:07	
2,2-Dichloropropane	ug/L	ND	0.50	10/05/08 16:07	
2-Chlorotoluene	ug/L	ND	0.50	10/05/08 16:07	
4-Chlorotoluene	ug/L	ND	0.50	10/05/08 16:07	
Benzene	ug/L	ND	0.50	10/05/08 16:07	
Bromobenzene	ug/L	ND	0.50	10/05/08 16:07	
Bromochloromethane	ug/L	ND	0.50	10/05/08 16:07	
Bromodichloromethane	ug/L	ND	0.50	10/05/08 16:07	
Bromoform	ug/L	ND	0.50	10/05/08 16:07	
Bromomethane	ug/L	ND	1.0	10/05/08 16:07	
Carbon tetrachloride	ug/L	ND	0.50	10/05/08 16:07	
Chlorobenzene	ug/L	ND	0.50	10/05/08 16:07	
Chloroethane	ug/L	ND	1.0	10/05/08 16:07	
Chloroform	ug/L	ND	0.50	10/05/08 16:07	
Chloromethane	ug/L	ND	1.0	10/05/08 16:07	
cis-1,2-Dichloroethene	ug/L	ND	0.50	10/05/08 16:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/05/08 16:07	
Dibromochloromethane	ug/L	ND	0.50	10/05/08 16:07	
Dibromomethane	ug/L	ND	0.50	10/05/08 16:07	
Dichlorodifluoromethane	ug/L	ND	0.50	10/05/08 16:07	
Diisopropyl ether	ug/L	ND	0.50	10/05/08 16:07	
Ethylbenzene	ug/L	ND	0.50	10/05/08 16:07	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	10/05/08 16:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	10/05/08 16:07	

Date: 10/08/2008 12:09 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TONY'S SERVICE 05-NCSL-126
Pace Project No.: 9228578

METHOD BLANK: 178228

Matrix: Water

Associated Lab Samples: 9228578001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	10/05/08 16:07	
Methyl-tert-butyl ether	ug/L	ND	0.50	10/05/08 16:07	
Methylene Chloride	ug/L	ND	2.0	10/05/08 16:07	
n-Butylbenzene	ug/L	ND	0.50	10/05/08 16:07	
n-Propylbenzene	ug/L	ND	0.50	10/05/08 16:07	
Naphthalene	ug/L	ND	2.0	10/05/08 16:07	
o-Xylene	ug/L	ND	0.50	10/05/08 16:07	
p-Isopropyltoluene	ug/L	ND	0.50	10/05/08 16:07	
sec-Butylbenzene	ug/L	ND	0.50	10/05/08 16:07	
Styrene	ug/L	ND	0.50	10/05/08 16:07	
tert-Butylbenzene	ug/L	ND	0.50	10/05/08 16:07	
Tetrachloroethene	ug/L	ND	0.50	10/05/08 16:07	
Toluene	ug/L	ND	0.50	10/05/08 16:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/05/08 16:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/05/08 16:07	
Trichloroethene	ug/L	ND	0.50	10/05/08 16:07	
Trichlorofluoromethane	ug/L	ND	1.0	10/05/08 16:07	
Vinyl chloride	ug/L	ND	1.0	10/05/08 16:07	
1,2-Dichloroethane-d4 (S)	%	104	60-140	10/05/08 16:07	
4-Bromofluorobenzene (S)	%	93	60-140	10/05/08 16:07	
Dibromofluoromethane (S)	%	101	60-140	10/05/08 16:07	
Toluene-d8 (S)	%	102	60-140	10/05/08 16:07	

LABORATORY CONTROL SAMPLE & LCSD: 178229

178230

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.8	9.0	88	90	60-140	3	30	
1,1,1-Trichloroethane	ug/L	10	9.7	9.3	97	93	60-140	5	30	
1,1,2,2-Tetrachloroethane	ug/L	10	9.1	9.2	91	92	60-140	2	30	
1,1,2-Trichloroethane	ug/L	10	9.5	9.4	95	94	60-140	1	30	
1,1-Dichloroethane	ug/L	10	10	9.8	100	98	60-140	2	30	
1,1-Dichloroethene	ug/L	10	10.5	10.3	105	103	60-140	2	30	
1,1-Dichloropropene	ug/L	10	9.9	9.7	99	97	60-140	2	30	
1,2,3-Trichlorobenzene	ug/L	10	13.8	12.7	138	127	60-140	8	30	
1,2,3-Trichloropropane	ug/L	10	9.1	9.1	91	91	60-140	.6	30	
1,2,4-Trichlorobenzene	ug/L	10	11.5	11.0	115	110	60-140	4	30	
1,2,4-Trimethylbenzene	ug/L	10	9.9	10	99	100	60-140	.6	30	
1,2-Dibromo-3-chloropropane	ug/L	10	10.9	11.0	109	110	60-140	2	30	
1,2-Dibromoethane (EDB)	ug/L	10	9.2	9.2	92	92	60-140	.002	30	
1,2-Dichlorobenzene	ug/L	10	10.1	9.9	101	99	60-140	2	30	
1,2-Dichloroethane	ug/L	10	9.7	9.6	97	96	60-140	1	30	
1,2-Dichloropropane	ug/L	10	9.8	9.8	98	98	60-140	.05	30	
1,3,5-Trimethylbenzene	ug/L	10	9.9	9.8	99	98	60-140	.8	30	
1,3-Dichlorobenzene	ug/L	10	9.8	9.7	98	97	60-140	2	30	
1,3-Dichloropropane	ug/L	10	9.6	9.5	96	95	60-140	.6	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TONY'S SERVICE 05-NCSL-126

Pace Project No.: 9228578

LABORATORY CONTROL SAMPLE & LCSD: 178229			178230							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	10	9.8	9.6	98	96	60-140	2	30	
2,2-Dichloropropane	ug/L	10	9.3	9.1	93	91	60-140	2	30	
2-Chlorotoluene	ug/L	10	10.0	9.8	100	98	60-140	2	30	
4-Chlorotoluene	ug/L	10	10.2	10.1	102	101	60-140	1	30	
Benzene	ug/L	10	9.8	9.6	98	96	60-140	1	30	
Bromobenzene	ug/L	10	9.7	9.6	97	96	60-140	.7	30	
Bromochloromethane	ug/L	10	9.6	9.7	96	97	60-140	1	30	
Bromodichloromethane	ug/L	10	9.2	9.0	92	90	60-140	3	30	
Bromoform	ug/L	10	9.2	9.3	92	93	60-140	1	30	
Bromomethane	ug/L	10	9.8	9.7	98	97	60-140	1	30	
Carbon tetrachloride	ug/L	10	9.4	9.1	94	91	60-140	4	30	
Chlorobenzene	ug/L	10	9.4	9.6	94	96	60-140	2	30	
Chloroethane	ug/L	10	10.9	10.6	109	106	60-140	3	30	
Chloroform	ug/L	10	9.7	9.8	97	98	60-140	.8	30	
Chloromethane	ug/L	10	9.0	9.2	90	92	60-140	2	30	
cis-1,2-Dichloroethene	ug/L	10	10.2	10.1	102	101	60-140	.7	30	
cis-1,3-Dichloropropene	ug/L	10	9.7	9.7	97	97	60-140	.02	30	
Dibromochloromethane	ug/L	10	8.8	8.7	88	87	60-140	.03	30	
Dibromomethane	ug/L	10	9.6	9.6	96	96	60-140	.06	30	
Dichlorodifluoromethane	ug/L	10	10.6	10.1	106	101	60-140	5	30	
Diisopropyl ether	ug/L	10	10	9.9	100	99	60-140	1	30	
Ethylbenzene	ug/L	10	9.5	9.5	95	95	60-140	.02	30	
Hexachloro-1,3-butadiene	ug/L	10	12.1	10.6	121	106	60-140	14	30	
Isopropylbenzene (Cumene)	ug/L	10	9.5	9.4	95	94	60-140	1	30	
m&p-Xylene	ug/L	20	18.9	19.0	95	95	60-140	.1	30	
Methyl-tert-butyl ether	ug/L	10	9.9	10	99	100	60-140	.5	30	
Methylene Chloride	ug/L	10	9.0	9.0	90	90	60-140	.1	30	
n-Butylbenzene	ug/L	10	10	9.8	100	98	60-140	1	30	
n-Propylbenzene	ug/L	10	9.8	9.8	98	98	60-140	.2	30	
Naphthalene	ug/L	10	12.5	12.0	125	120	60-140	4	30	
o-Xylene	ug/L	10	9.4	9.5	94	95	60-140	.9	30	
p-Isopropyltoluene	ug/L	10	10.1	9.7	101	97	60-140	3	30	
sec-Butylbenzene	ug/L	10	9.9	9.9	99	99	60-140	.3	30	
Styrene	ug/L	10	9.9	9.9	99	99	60-140	.1	30	
tert-Butylbenzene	ug/L	10	10	9.9	100	99	60-140	.8	30	
Tetrachloroethene	ug/L	10	7.8	7.7	78	77	60-140	.6	30	
Toluene	ug/L	10	9.4	9.3	94	93	60-140	1	30	
trans-1,2-Dichloroethene	ug/L	10	10	9.7	100	97	60-140	3	30	
trans-1,3-Dichloropropene	ug/L	10	9.5	9.5	95	95	60-140	.5	30	
Trichloroethene	ug/L	10	8.8	8.8	88	88	60-140	.7	30	
Trichlorofluoromethane	ug/L	10	10.7	10.4	107	104	60-140	3	30	
Vinyl chloride	ug/L	10	9.6	10.2	96	102	60-140	5	30	
1,2-Dichloroethane-d4 (S)	%				100	100	60-140			
4-Bromofluorobenzene (S)	%				97	100	60-140			
Dibromofluoromethane (S)	%				100	99	60-140			
Toluene-d8 (S)	%				101	101	60-140			

QUALIFIERS

Project: TONY'S SERVICE 05-NC SL-126

Pace Project No.: 9228578

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte